

<110> Wang, Tongtong  
Bangur, Chaitanya S.

<120> COMPOSITIONS AND METHODS FOR THERAPY AND  
DIAGNOSIS OF LUNG CANCER

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<140> US
<141> 2000-03-06
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<211> 490
<212> DNA
<213> Homo sapien
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<400> 2

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a	a	g	a	g	t	c	a	g	c			240
t	g	a	a	a	a	g	c	c	a			300
a	g	a	g	g	c	c	a	a	c			360
c	t	c	a	g	g	c	t	t				420
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<210> 6

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<211> 336
<212> DNA
<213> Homo sapien
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aggtgccaaa	tcccaggaca	ggcatgaagt	gaccatcatt	cagcttcaca	cactgatatt	180
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ttgctaattt	tgtgacctcc	aaagctttac	ttctcggaac	cttggttctt	ccgagcgctc	360
agcaatcccg	ccgagcttct	ttgagacgtc	ctcaggtgtc	ctttgacgat	gcgtcctcca	420
ctttcacaca	ctctagcatt	ccttcactgg	ggtcttcatt	gccccacatt	gggcagccag	480
gaatgttggg	gtg					493

&lt;210&gt; 14

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 14

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tgactattgt	aggtgcctca	aacacgttgt	cctcagttac	tagcatgcac	acaaatctct	360
tttcatcact	gataccttgca	ttactgatag	acaaagtgtg	gttttctgag	aggttcaatc	420
tgtctttgta	ttctgggtaca	tcgtcgtact	gcacactttt	ctttgtagag	gatctgaagg	480
caataaatac	tggggagcca	tcgggctttt	catatttcca	tttgcccaaa	catgagattc	540

&lt;210&gt; 15

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 15

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atcatcaatc	tccccgtccc	ctctcttgaa	gccccctaga	tttggatgaa	gagcaggcca	360
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g						421

&lt;210&gt; 16

&lt;211&gt; 236

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 16

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gctgacagca	aagagctgct	ctctgtgggc	ctgcttcac	tcacccgaga	ggccgtacaa	120



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<210> 17
<211> 424
<212> DNA
<213> Homo sapien
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<210> 18
<211> 154
<212> DNA
<213> Homo sapien
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```
<210> 19
<211> 445
<212> DNA
<213> Homo sapien
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<210> 20
<211> 211
<212> DNA
<213> Homo sapien
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<400> 20  
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<210> 24
<211> 512
<212> DNA
<213> Homo sapien
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ttcttccatt	atTTTTTcct	cctaccactg	agttttgtaa	tgaattcctt	gtgtatacaa	180
gcaatacagg	tgaatactaa	actggtattt	ttagcttctt	caaaaagctat	tttagaaagc	240
ttcctggaaa						250



<210> 28  
 <211> 532  
 <212> DNA  
 <213> Homo sapien

<400> 28  
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 tccttggttg ctttgccagac ctcccttgag aggattcctt ctggatggag atttctttgt 120  
 tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgtag ctttggttca 180  
 ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcatgg ctactatcct 240  
 gcatttggga aaatcctctc ttcctaagaa gccaaactact gatgatgatg tggatcgaat 300  
 ttccctgtgc ctcaaggtct tgtctgaatg ttcaccttta atgaatgaca ttttcaataa 360  
 ggaatgcaga cagtcccttt ctacatggtt atctgctaaa ctagaagaag agaaattatc 420  
 ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480  
 catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag 532

<210> 29  
 <211> 486  
 <212> DNA  
 <213> Homo sapien

<400> 29  
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 ttgatctccc acacccaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180  
 ttgtgattta ttgtggagag caggbgttta aaaatttttag aatttctttt taacaaaatc 240  
 aaatacattg ttaaggtaac aaagaataat tctactatttc agcatttcaa agcaacatat 300  
 tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga 360  
 aagaaacatt agaagtatga aaagtgttac aaaaacatgt ttctttttat tctcttggtat 420  
 atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa 480  
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<210> 30  
 <211> 240  
 <212> DNA  
 <213> Homo sapien

<400> 30  
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 gggttctata actgcatccc ccacacatct ttcaccacca cccatacat accagctctc 180  
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<210> 31  
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 <212> DNA  
 <213> Homo sapien

<400> 31  
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tcgtcagcaa	gttgtggccc	actttctttg	agagaccctt	tgtgaggaaa	gcctttgaga	180
agaccctcaa	ggacctgaag	ctgagctatc	tggacgtcta	tcttattcac	tgg	233

&lt;210&gt; 32

&lt;211&gt; 233

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 32

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ggcttggggg	caagaaacag	ccagcaagag	ttaggggcct	tagggcactg	ggctgttggt	180
ccattgaagc	cgactctggc	cctggccctt	acttgcttct	ctagctctct	agg	233

&lt;210&gt; 33

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 33

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ctggaattgc	ttggttctcc	tccatgtggc	ctctccagta	ggctagctca	ggcttattca	120
catgatggct	tcaggattcc	aaagagagtg	agagtagaag	ctgaaagact	tcttgagtcc	180
ttggcctgga	actgggacta	ggacagtgtc	acttctgcta	agttcttttg	gtcagagcaa	240
atcacaaggc	tttaccaga	ttcaagggat	gagaaacaga	ctacatgtct	tgatgagggg	300
aaccacaaag	agcttgtgg					319

&lt;210&gt; 34

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 34

tacagattta	attcatgtta	ttaaactcct	gcctttttacc	tcctccctcc	tcccttgcca	60
caactgccag	atggatgtgg	ctggaagtca	gaggacattc	tcgtgggttc	gtgggcctag	120
ggtacaaatg	acctcagcgt	gacagcaaac	aggacagaga	agaccaggct	cttactcagg	180
aatccaccag	ccaggagaat	gacaatgttg	aacaccggaa	ccctgatgat	atctgtcaca	240
tttgtaaggt	tgatttcaga	gtcaggagtg	gagacatcgg	cagttgactt	gggtggagct	300
tgggtcacag	ttctggggct	ggtatagagt	gggcacaagg			340

&lt;210&gt; 35

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 35

acatgggtcc	ttcactcttc	gctgagatgt	tgcggcagcc	ttttcttcca	atgcggttgt	60
ggcaggagaa	tccacggatg	taatgttttc	acctttttcc	ctgagggtgc	tttctgagga	120
accagycctt	aagaggtggg	gtcttggatt	cctgaccag	gcgtccggca		170



<400> 36

<210> 37

<400> 37

<210> 38

<400> 38

<210> 39

<400> 39

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atgtactcga ctctgtccta tttagccttc ccatacctga cttctaataca ctttttcctgg    120

```



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<210> 40
<211> 204
<212> DNA
<213> Homo sapien
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<210> 41
<211> 447
<212> DNA
<213> Homo sapien
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<211> 498
<212> DNA
<213> Homo sapien
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<210>	43
<211>	312
<212>	DNA



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gtcatttgat	cattcaactc	tttgtcagtg	gcaactcccg	ctattttggt	gtgttggttt	180
gttactacac	agtgagcaca	aacatgggtg	tccaatacag	aggctcttcc	tgtcaggtgt	240
caaccagaaa	gttcattctaa	cactgtgata	tttgcattct	tcttgaacag	ttgttggtctg	300



```
<210> 47
<211> 459
<212> DNA
<213> Homo sapien
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```
<210> 48
<211> 430
<212> DNA
<213> Homo sapien
```

```
<210> 49
<211> 288
<212> DNA
<213> Homo sapien
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<210> 50
<211> 411
<212> DNA
<213> Homo sapien
```







```
<210> 54
<211> 450
<212> DNA
<213> Homo sapien
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```
<210> 55
<211> 648
<212> DNA
<213> Homo sapien
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```
<210> 56
<211> 536
<212> DNA
<213> Homo sapien
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gaacctcctg	tacttaaaca	cgattcgcaa	cg	gttctgttta	ttttttttgt	atgttttagaa	180
tgctgaaatg	tttttgaa	gt	gtattacatt	tttaaaactc	ttctctatta		240
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<212> DNA
<213> Homo sapien
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<210> 58
<211> 455
<212> DNA
<213> Homo sapien
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<210> 59
<211> 398
<212> DNA
<213> Homo sapien
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<223> n = A,T,C or G
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aatagatcgc	ggattcaggt	gtggctctat	gagcaagtga	atatgcggat	agaaggctgt	180
atcattggtt	ttgatgagta	tatgaacctt	gtattagatg	atgcagaaga	gattcattct	240
aaaacaaagt	caagaaaaca	actngntcgg	atcatgctaa	aaggagataa	tattactctg	300
ctacaaagtg	tctccaacta	gaaatgatca	atgaagtgag	aaattgttga	gaaggataca	360
gtttgttttt	agatgtcctt	tgtccaatgt	gaacattt			398



<210> 60  
 <211> 532  
 <212> DNA  
 <213> Homo sapien

<400> 60  
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 gatatgcctg ggtgagccta ggagggaaagg ctctgatttg gatctctcca gtcaaagctc 180  
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 cgagcagttt gggaacccag tttcttgtcc tggggccctca ggtcagcctg gctgaattag 300  
 gacctttcct tggcacaggg gtgagaaaga gcttggggaa cgcttggcat tatggagggc 360  
 tggaaggggc tcaaccccga tttggagaga agtttgggat ggagtgggag agagattgag 420  
 agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataag gcctggaaaag 480  
 aasatgacsa ggaggaggag agaggggaagt ggggtggatga ggagcaggct ga 532

<210> 61  
 <211> 466  
 <212> DNA  
 <213> Homo sapien

<400> 61  
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 gatcgaaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgatg ctgaggaaga 180  
 ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct 240  
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 ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatgg gagagtgaga 360  
 ataaaatggt ctgtgagcag aagctcctga agggagaggg cccaagacc tcgtggacca 420  
 gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga 466

<210> 62  
 <211> 548  
 <212> DNA  
 <213> Homo sapien

<400> 62  
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 caccaagttc tgatatcttt taaagacata gttcaaaatt gcttttgaaa atctgtattc 180  
 ttgaaaatat ccttgtttgt tattaggttt ttaaatacca gctaaaggat tacctcactg 240  
 agtcatcagt accctcctat tcagctcccc aagatgatgt gtttttgctt accctaagag 300  
 aggttttctt cttattttta gataattcaa gtgcttagat aaattatgtt ttctttaagt 360  
 gtttatggta aactctttta aagaaaattt aatatgttat agctgaatct ttttggtaac 420  
 tttaaatctt tatcatagac tctgtacata tgttcaaat agctgcttgc ctgatgtgtg 480  
 tatcatcggg gggatgacag aacaaacata tttatgatca tgaataatgt gctttgtaaa 540  
 aagatttc 548

<210> 63  
 <211> 547











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<210> 69
<211> 399
<212> DNA
<213> Homo sapien
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<210> 70
<211> 479
<212> DNA
<213> Homo sapien
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<210> 71
<211> 437
<212> DNA
<213> Homo sapien
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<210> 72
<211> 561
<212> DNA
<213> Homo sapien
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tgagagg

547

&lt;210&gt; 75

&lt;211&gt; 793

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 75

tgaggaagtt	gcaagccaac	aaaaaagttc	aaggatctag	aagacgatta	aggggaaggtc	60
gttctcagtg	aaaatccaaa	aaccagaaaa	aatggtttat	acaaccctaa	gtcaataaacc	120
tgaccttaga	aaattgtgag	agccaagttg	acttcaggaa	ctgaaacatc	agcacaaaga	180
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atccattaga	gaaaaatcct	tgtcaccaga	ttcattacaa	ttcaaatcga	agagttgtga	420
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ctttttatat	caaaaggctt	tgcacatttc	tatatgagtg	ggtttactgg	taaattatgt	600
tattttttac	aactaatttt	gtactctcag	aatgtttgtc	atatgcttct	tgcaatgcat	660
attttttaat	ctcaaacggt	tcaataaaac	catttttcag	atataaagag	aattacttca	720
rattgagtaa	ttcagaaaaa	ctcaagattt	aagttaaaaa	gtggtttgga	cttggaaca	780
ggactttata	cct					793

&lt;210&gt; 76

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 76

accttgcaact	attccccctca	gtccatctat	cgagggtcttt	gcaggaagca	tactgggaat	60
tgaaacgaga	gcctaaatga	catctaagaa	aggcagtggt	caataaccagg	tattaggtga	120
ggatgggatt	ctaaggacat	cagtgggagg	cagggagcca	ccttcagacc	tcagcatgga	180
agcttccaag	atccagagga	agaggcaaca	gcactgagag	tcataggtag	aagaatcatc	240
acagccctgc	taaccaggca	gctgatgcc	ctctccccctg	gctccctgtg	tccaaatcct	300
acaggggcat	ctgttggtg	aactcaacct	gaagccaaag	agaagatgag	tggagagagg	360
caacatttat	agagctcagg	tttctagggc	tggagagggg	tctggaggga	cacacaggag	420
acacctggca	taaccaaaaa	atgattaaaa	aaaaaaaaaa	a		461

&lt;210&gt; 77

&lt;211&gt; 642 &lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 77

ggttgcacga	aacacactgg	ggaatggagc	aaaacagtct	ttgaatatcg	aacacgcaag	60
gctgtgagac	tacctattgt	agatattgca	ccctatgaca	ttggtggtcc	tgatcaagaa	120
tttggtgtgg	acgttggccc	tgtttgcttt	ttataaacca	aactctatct	gaaatcccaa	180
caaaaaaaat	ttaactccat	atgtgttcct	cttggtctaa	tcttgtaaac	cagtgcaggt	240
gaccgacaaa	attccagtta	tttattttcca	aatgttttg	aaacagtata	atttgacaaa	300
gaaaaatgat	acttctcttt	ttttgctgtt	ccaccaaata	caattcaaat	gctttttgtt	360
ttattttttt	accaattcca	atttcaaaat	gtctcaatgg	tgctataata	aataaacttc	420
aacactcttt	atgataacaa	aaaaaarawa	wattctttga	atcctagccc	atctgcagag	480



caatgactgt gctcaccagt aaaagataac ctttctttct gaaatagtca aatacgaaat 540  
tagaaaagcc ctccctatct taactacctc aactggtcag aaacacagat tgtattctat 600  
gagtcccaga agatgaaaaa aattttatac gttgataaaa ct 642

<210> 78

<211> 519

<212> DNA

<213> Homo sapien

<400> 78

gcagaagaag aagcggacct tccgcaagtt cacctaccgc ggcgtggacc tgcaccagct 60  
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gaaccggggc ctgcggcgga agcagcactc cctgctgaag cgcttgcgca aggccaaagaa 180  
ggagggcgccg cccatggaga agccggaagt ggtgaagacg cacctgcggg acatgatcat 240  
cctacccgag atggtgggca gcatggtggg cgtctacaac ggcaagacct tcaaccaggt 300  
ggagatcaag cccgagatga tccggccacta cctgggcgag ttctccatca cctacaagcc 360  
cgtaaagcat ggcggggccg gcatcggggc caccactcc tcccgcttca tccctctcaa 420  
gtaatggctc agctaataaa aggcgcacat gactccaaaa aaaaaaaaaa aaggcgggcc 480  
gccaccgcgg gggagctcca cttttgttcc ctttaatga 519

<210> 79

<211> 526

<212> DNA

<213> Homo sapien

<400> 79

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cctgaatgtg ttctctagt tctagaaaat gaccactaat ttaaaaaact cgtttgtgag 180  
gtttgcccag aggcacttgt tccagaattt cccctcctgc ttcagccatg tccttgtcac 240  
ttggcattct aagctaaagc tttagcttcc caattcgtga tgtgctaggc caagattcgg 300  
gagctgttgc cagcctcgtc aaatatggaa gagaaacaac ctgcgggtcaa aagggaagtga 360  
tttgtttaagt ggtgcgcgtc tatctcataa ctagatgtac caaccaggga agggccaagg 420  
atggaaaggg gtaacttttg tgcttccaaa gtagctaagc agaagtgggg gagcagttta 480  
gccagatgat ctttgattag gcaaacattg agttttaaag aggctg 526

<210> 80

<211> 281

<212> DNA

<213> Homo sapien

<400> 80

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ccgtagcaat gaaggataca gtactgtgtt gtgggtgagt gttgctattg cccagcatta 180  
atatttgggt gtgtatgttt gaggtatga aacacgcagg agtgtttttg tgctattaat 240  
tttaagagaa agcagctttt tcttaaaatt cactgttgag a 281

<210> 81

<211> 405

<212> DNA



<223> n = A, T, C or G

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aggagtttga	statcgacat	gtcatgctgc	ccaaggacat	akccaasctg	gtccctaata	180
cccatctgat	gtctgaatct	gaatggaggga	atcttggcng	ttcagmagan	tcagggatgg	240
gtccattata	tgatccatga	nccagaacct	cdcatcttgc	tgttccggcg	scccacttac	300
cccaanaaac	caamgaaatg	aaccttggct	actacttttc	aatcctcaaa	kcttttcaca	360
vhtgaccttc	cttcctaaca	ttctttmtga	taaacattta	ttaag		405

<213> Homo sapien

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catttacata	atatagaaaag	atatgcatat	atctagaagg	tatgtggcat	ttatttggat	180
aaaattctca	attcagagaa	atcatctgat	gtttctatag	tcactttgcc	agctcaaaaag	240
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aaaaaaatca	tgcatcttta	gcaaaattgc	ctagtatggt	aatttgctca	aaatacaatg	420
tttgatttta	tgactttgt	cgctattaac	atcctttttt	tcatgtagat	ttcaataatt	480
gagtaatttt	agaagcatta	tttttaggaat	atatagtkgt	cacagtaaat	atcttgtttt	540
ttctatg						547

<213> Homo sapien

ctatttctaag	agatgctctt	agtgatcttg	cattacactt	tctgaataaa	atgaagatca	60
tggtgattaa	ggatattgaa	agagaagaca	ttgaattcat	ttgtaagaca	attggaacca	120
agccagttgc	tcatattgac	caattttactg	ctgacatgct	gggttctgct	gagttagctg	180
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gaaaaaacagt	tacaattggt	gttcgtgggt	ctaacaaact	ggtgattgaa	gaagctgagc	300
gctccattca	tgatgcccta	tgtgttattc	gttgtttagt	gaagaagagg	gctcttattg	360
caggagggtgg	tgctccagaa	atagagttgg	ccctacgatt	aactgaatat	tcacgaacac	420
tgagtgggat	ggaatcctac	tgcgttcgtg	cttttgcaga	tgctatggag	gtcattccat	480
ctacactagc	tgaaaatgcc	cggcctgaat	cccatttcta	cagtaacag		529

<211> 527







```
<210> 88
<211> 529
<212> DNA
<213> Homo sapien
```

```
<210> 89
<211> 547
<212> DNA
<213> Homo sapien
```

```
<210> 90
<211> 528
<212> DNA
<213> Homo sapien
```

<400> 90  
gagcagcaga agctgtacag caagatgatk gtggggaacc acaaggacag gagccgctcc 60  
tgagcctgcc tccagctggc tggggccacc gtgcggggtg ccaacgggct cagagctgga 120



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gttgccgccc cgcggcccccac tgctgtgtcc tttccagact ccagggctcc ccgggctgct 180
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gcctaccctt ggtggtctaa acggatgctg ctgggtgttg cgaccagga cgagatgcct 300
tgtttctttt acaataagtt gttggaggaa tgccattaaa gtgaactccc cacctttgca 360
cgctgtgcgg gctgagtggg tggggagatg tggccatggg cttgtgctag agatggcggt 420
acaagagtct gttatgcaag cccgtgtgcc agggatgtgc tgggggcggc caccgcctct 480
ccaggaaagg cacagctgag gcactgtggc tggcttcggc ctcaacat 528

```

```

<210> 91
<211> 547
<212> DNA
<213> Homo sapien

```

```

<400> 91
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acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
ctgactctaa tcaaagtga tgattggaat taraccmttt ggscyttgra ccttymtwrg 240
raaaawgrmc cmaccttityt taacmtgrac cwccytmatc tctagaagct gggatggact 300
tactatyctk gttwatattt taaatackga aagggtgctat gcttctgtta ttattccaag 360
actggagata ggcaggggcta aaaaggtatt attatttttc ctttaatgat ggtgctaaaa 420
ttcttcttat aaaattcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat 480
aactgttaga cttcccgttt ctgaaagaaa gagcatcggt ccaatgcttg ttcactgttc 540
ctctgtc 547

```

```

<210> 92
<211> 527
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

```

```

<400> 92
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ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac 120
tgaaggtatg gtggaacaag tggcctcacc aaggctcgac cccaatggac tttttgcctc 180
ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtgga 240
tgttgtatct ggggggtggc ttatgtacct gctactgttc tccccacatt gccagatgc 300
ctgtataact gggaggcact gkgctctcag tttttgcgaa tgtgatgagc cccctgggtg 360
ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
tactgtctct tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
wgktawtgaa tgaggttgat cnvatcagaa adgtggkgtt ggcmeta 527

```

```

<210> 93
<211> 531
<212> DNA
<213> Homo sapien

```











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aaccaaccta	gaatcacata	gcaaatgaca	gaagccagag	gcctcccaag	tctctctaac	180
tccaaaccct	atgcttactc	tactatatca	cactaccttg	caataggaca	aagggaatat	240
gtggtaaact	atgttcccag	catctaaaag	ccaggagtgg	ttttcatttt	tctttaagaa	300
gatgatagt	tgatttgaaa	catatctgaa	tttcagaaga	ggggactttt	aaaaattgcc	360
actcataagg	aaagaaagaa	ctttttcaca	tatttttgaa	agaaacgatg	gtgagaagat	420
attcttgata	atagagatat	gctaacattt	gctttgggtg	ttttgtaggt	tagatttttt	480
tggtgtgtac	tttataggct	tgcataattg	ttactttaaa	cagctgaagt	tctaagtaag	540
agtgttc						547

&lt;210&gt; 99

&lt;211&gt; 122

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 99

cagcctttct	gtcatcatct	ccacagccca	cccatcccc	gagcacacta	accacctcat	60
gcaggcccca	cctgcccaata	gtaataaagc	aatgtcactt	ttttaaaaca	aaaaaaaaaa	120
aa						122

&lt;210&gt; 100

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 100

ctgacggctt	tgctgtccca	gagccgccta	aacgcaagaa	aagtcgatgg	gacagttaga	60
ggggatgtgc	taaagcgtga	aatcagttgt	ccttaatttt	tagaaagatt	ttggtaacta	120
ggtgtctcag	ggctgggttg	gggtccaaag	tgtaaggacc	ccctgccctt	agtggagagc	180
tggagcttgg	agacattacc	ccttcatcag	aaggaatttt	cggatgtttt	cttgggaagc	240
tgttttggtc	cttgggaagca	gtgagagctg	ggaagcttct	tttggctcta	ggtgagttgt	300
catgcgggta	agttgaggtt	atcttgggat	aaaggggtct	ctagggcaca	aaactcactc	360
taggtttata	ttgtatgtag	cttatatttt	ttactaaggt	gtcaccttat	aagcatctat	420
aaattgagtt	ctttttctta	gttgtatgg				449

&lt;210&gt; 101

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 101

ccatgtttct	tcttgactac	gcatatgtga	gatttgcccc	tccgccccgc	tcgtgatagc	60
catccagatc	ttttacctgg	ccctgtcttg	gagaatctgt	tttcaatctc	cactgattgc	120
cccccttgctg	g					131

&lt;210&gt; 102

&lt;211&gt; 199

&lt;212&gt; DNA

&lt;213&gt; Homo sapien







<2'13> Homo sapien

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ccactaaact	aattaagggtg	ttggcataac	ctgtcattga	attcaagtgt	ccaacaactg	120
tttgcttaaa	atatcattag	acctaataat	tttttcaaag	gcacaaagtt	taaacatggg	180
gggggcgggt	gttgagaggg	gtctgggata	cccttaaacc	caaaaaagtg	atttgttccc	240
ccttgcccag	aagggtgact	gttcactgg	gcctgtcacc	acaggacatt	ttccatgaca	300
agcactcacc	ttcttgggga	aggggcatca	ggttggcaca	ggaaaggccc	aagtgagggg	360
ccactctgta	cattaatact	ttgggtgatta	atgtttgggg	agaggcagga	ttctcaccca	420
cctttttgac	ttcaaacact	ctcactcaag				450

<213> Homo sapien

tcgacgaaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaaattt 60  
tgcaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<213> Homo sapien

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ctccttcact	ttgggttgtgt	tagtagacag	ggcaacaaaag	tgcttcgccca	ctgcagtagg	180
atccttggcc	gcctggagaa	accactcctt	cgccgtctct	gcattcgtga	tgggtctctg	240
ggtagtaaaag	gtcttggagg	caatgatgaa	cagggaggac	tcgggggttca	g	291

<213> Homo sapien

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caccagaagt	gtgagaacgc	ctaccccggc	aacatcacag	acaccatggg	gtgtgccagc	120
gtgcaggaag	ggggcaagga	ctcctgccag	ggtgactccg	ggggccctct	ggtctgtaac	180
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ggtgtctaca	cgaaagtctg	caaatatgtg	gactggatcc	aggagacgat	gaagaacaat	300
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gttactctg	ttaataagaa	accctaagcc	aagacctct	acgaacattc	tttgggcctc	420
ctggactaca	ggagatgctg	tcacttaata	atcaacctgg	ggttcgaaat	cagtgaagcc	480
tggattcaaa	ttctgccttg	aaatatgtg	actctgggaa	tgacaacacc	tggttgtctc	540
ctctgtgtat	ccccagcccc	aaaagacagc	tcttggacct	tgccccgggg	cggccgcctc	600
qqaaggqggg	cgaattttct	tcaagaatat	ttccatttcc	acaaacttgg	ggccgggggc	660



662

 $\langle 400 \rangle$  110

```
<210> 111
<211> 336
<212> DNA
<213> Homo sapien
```

<400> 111

```
<210> 112
<211> 218
<212> DNA
<213> Homo sapien
```

<400> 112

```
<210> 113
<211> 533
<212> DNA
<213> Homo sapien
```

<400> 113

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gaggccaggc	ttctaggaga	tggctccaga	aaggcggcca	agaatgtgag	tgcaaagatt	180
ggttcctgag	agccccgaga	agaaaaattca	tgacagtgtc	tgggctgcc	aagaagcagt	240
gcccctgtga	tcatttcaag	ggcaatgtga	agaaaacaag	acaccaaagg	caccacagaa	300
agccaaacaa	gcattcccaga	gcctgccagc	aattttctcaa	acaatgtcag	ctaagaagct	360



ttgctctgcc	tttgtaggag	ctctgagcgc	ccactcttcc	aattaaacat	tctcagccaa	420
gaagacagtg	agcacacctt	ccagacactc	ttcttctccc	acctcactct	cccactgtac	480
ccacccttaa	atcattccag	tgctctcaaa	aagcatgttt	ttcaagatct	aaa	533

<210> 114  
 <211> 261  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(261)  
 <223> n = A,T,C or G

<400> 114						
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ggggacaaac	tgaagttaaa	caggctcgaaa	ctagaggagc	tgctgaccct	ggagctgacc	180
actttcttgg	ggaaaaggac	acatgaaggt	gctttgcaaa	agctgatgag	caatctggac	240
accaacatag	gacaacaacg	t				261

<210> 115  
 <211> 267  
 <212> DNA  
 <213> Homo sapien

<400> 115						
cctctcctgt	gggttccaga	ccctgttcca	gcaacaattg	ctgggacacc	tgggccgact	60
gctccacctc	gccaggccct	ggccctctcc	atctcagccc	tgacagccac	ccagtgataa	120
acacagcagg	cttcctaagc	aatgtgacgc	accagagggg	tgggtgtaca	cgttccccctt	180
gaagtcattc	gaaaattaga	gaacagattt	gcctcatagc	tgaagagaga	ccctattcca	240
agcatgaatg	gccttgacaa	tgttcct				267

<210> 116  
 <211> 239  
 <212> DNA  
 <213> Homo sapien

<400> 116						
ctgatgacct	ggggtctagt	gaaaatgcag	ggtcagattc	agtgggtctg	gggtctgaat	60
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aaagctctag	actaggaggt	ctcaaccttg	gctgcacaga	attatctggg	gagtttttaa	180
atttcccagt	gcccaggctg	cattcatatc	atagtagaga	caggggtttg	ccatgctgg	239

<210> 117  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

<400> 117						
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<400> 121						
aaaaaaaaacc	taattcattg	aagtaataac	caaataattt	tcaatcttga	ttcaactgtg	60
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agagtttttt	tttcttgatt	aattggatgt	atttcacaga	atttccaact	gctcacgtta	180
gttttcttcc	ttttagagtt	gatctctcta	atgtattaga	tcttcatgcc	tttgatagtc	240
tctctggaat	aagtttgcag	aaaaaacttc	agcatgtgcc	aggaacacaa	cctcaccttg	300
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ccaggggtgtc	catgagctct	gtgatctgga	ggagactcca	gtgagctgga	aggatgacac	540



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g 601

<210> 122  
<211> 486  
<212> DNA  
<213> Homo sapien

<400> 122  
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ctacaagggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaagtattt 180  
taacacttgt tggagaagca atatctggat caataaaaca ctgtcccatc aaccatttga 240  
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aaacctggag gaacttgaat atttttgttc tagatagaga tacagttatt gaaaaggaaa 420  
cctagaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaaaaatt 480  
tcactt 486

<210> 123  
<211> 239  
<212> DNA  
<213> Homo sapien

<400> 123  
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ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatttgggc 180  
gtcttgtacc tggctacgca ccacctcagt gttgttctca cataaacaag gcccctttt 239

<210> 124  
<211> 610  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1) ... (610)  
<223> n = A,T,C or G

<400> 124  
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ttttcagtca gggctcaggga ctgttgcttg cgcgcgaaaa tcaccggtac gccgaggttc 180  
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atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgccttct 360  
tcgcaattt tcttgtgcag tgcttccacg aaagcttcct ctgttggcgc aacacgcgcc 420  
gaaagtagat taaaaagtag tcgattctag cgctttaaca tcgcgcgtat atccgccagg 480  
gcggtattgc cgcgaacggc tttgacttcg gttggtgtgt cgtcgttgcc ttcccatgcc 540  
aggatcatccg gcggcagttc gtcaaggaac cggctggggg cacaatcaat gatctcgccg 600



ctgcccattg	aaaccctcca	ggagctgctg	gacctgcaca	ggaccagtga	gagggaggcc	60
attgaagtct	tcatgaaaaa	ctctttcaag	gatgtaacca	aagtttccag	aaagaattgg	120
agactctact	agatgcaaaa	cagaatgaca	tttgtaaacg	gaacctggaa	gcatacctcg	180



```
<210> 129
<211> 546
<212> DNA
<213> Homo sapien
```

```
<210> 130
<211> 733
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G
```

```
<210> 131
<211> 305
<212> DNA
<213> Homo sapien
```



<400> 131

<210> 132

&lt;212&gt; DNA

<400> 132

<210> 133

<212> DNA

<220>

$\langle 222 \rangle$  (1) ... (330)

<400> 133

<210> 134

<211> 627



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ctgtattcct	tgggtcatgg	cccctctctt	catcatcaaa	taatcagcat	agctttatga	180
cattggcagc	tctgattttg	ctcttttgcc	ttcctcttat	gtagaccctt	gtaattacat	240
tgggtacacc	cagataaacc	caaataatct	ccctatctca	agattcttaa	tgtaattata	300
ttgggaaaagt	cccttttgtc	atataagata	acatagcaat	ggattccaag	gattagtatg	360
tgaqtttctt	ttgaggggct	ataattaacc	ctaccacaat	atggaaatgt	ctattgtttt	420



```
<210> 137
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G
```

```
<210> 138
<211> 231
<212> DNA
<213> Homo sapien
```

```
<210> 139
<211> 535
<212> DNA
<213> Homo sapien
```

<400> 139							
cagtttgccaa	ccctctgaac	cgtttaggcc	ggttcatcgc	tgcctttgaa	tctggggccgg		60
tggtgatccg	gcaaggggtg	aaaccaaaga	gcgggggctg	tgaggccctt	cgcagtcctt		120
cgtaagtcgc	tgcgatggag	tgaactatca	cgcatcgtgt	ttatttcgtc	aacacgaaat		180
gtgatttatt	tttgcaatt	aacacggcag	ttctcggtta	cgttttcgga	aagcgtggga		240
tatgattctg	tctatcctgt	acggatatac	agtaattacc	gggaggggat	tccatggcga		300
agaagcaggc	ggcaccggca	gcacggcagg	aaatgagcgg	tatggcgcg	ctcgggcttc		360
gcgtctcatc	gatgattaat	cacccggtcg	cccagacgca	gcgctgggtt	acgattcatc		420
gcctggacac	ggatggggat	cgggagtggt	aagaggttct	gagcgtgac	gctgataccg		480
acgaqctcga	gctgacgctc	aatgacgatg	gcagtgtgac	ggtgaggtgg	gagca		535



<210> 140  
 <211> 640  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(640)  
 <223> n = A,T,C or G

<400> 140  
 acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt 60  
 catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag 120  
 gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180  
 atgaggagag atgggtggcc tgccatgggt atccatgggtg acaagagtca acaagagcgt 240  
 gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300  
 gcctccagag ggctagggtta gtacaaactc gcattcatgg cttgggtttcc cagaagatct 360  
 ccatttaact tttttaaaga aagtttattg ctttctttta cctgcatttt ttctaagttt 420  
 tttttcgcac aaaggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480  
 agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa 540  
 gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccent 600  
 aaacttgttc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141  
 <211> 127  
 <212> DNA  
 <213> Homo sapien.

<400> 141  
 aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60  
 gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaatgcgg 120  
 ttttttt 127

<210> 142  
 <211> 126  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(126)  
 <223> n = A,T,C or G

<400> 142  
 aaatatcctc tggatgcntt caagtaatac taatcatttc atgnngnaaaa gtcttttaat 60  
 aaacaaattc agagtaaaat taattgaaat atttataata catttggttac acagttattt 120  
 ccaata 126

<210> 143  
 <211> 730



<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(730)  
<223> n = A,T,C or G

<400> 143

gcaagttctg	gagtgttcac	ttctgagcct	gaattccctc	ccctgcaaaa	tgggggaata	60
ccctcctcag	agggtccttg	cgaggggtgag	gggagatcag	catggcaggt	gtgctgggca	120
cggcagggcc	tgggaagggc	agatcctttc	cccatccctg	ccacaaacaa	cccaaaccct	180
taaaggagag	caatggcctt	gtgtcaaaaa	caaaaacaaa	acaaaaccct	gtcctaggag	240
actggggccc	taatttctaa	tagcaagcct	ttatgagtcc	ctaacactct	actgggctga	300
gtatctcaca	cgccagagga	taacctgcct	tctgctcacc	accaccccg	agtagttgtc	360
attgtgtcca	tttcacagat	gaggcaaagg	ctcagaagag	tcatgtgtta	aaccagcttc	420
tagagcccat	gcaggagctg	cagggtggga	gaatcacctc	taggtgctct	tcccatggaa	480
tcctcacctc	ccttgagtgg	tcactcactc	anccttccaa	tgggtgtgtg	acctttgacc	540
agctttcttt	ccttntctgg	gcctcagttt	cccaccttgg	acaaagtaag	aggtctcttg	600
ggnttcangg	tagttcttcc	taacttcttt	tccttttcat	ttgagcatcc	ttcttcattt	660
tttgccacct	ctcttgtcat	tacangcttt	taccttcggc	cgcgaaaccac	gcttaagggc	720
naaatttcca						730

<210> 144  
<211> 485  
<212> DNA  
<213> Homo sapien

<400> 144

ctgggtcagaa	atgattctct	tgtgacacca	tgcgcacaac	aggctcgggt	ctgtcctccc	60
catatgttac	ctgaagatgg	agctaccttt	cctctgtgtg	gcattttgtc	gcttatccag	120
tcttctactc	gtagggcata	ccagcagatc	ttggatgtgc	tggatgaaaa	tcacctgtgt	180
tgcgtggtgg	gtctgtgtgc	gccacttcta	atcctcatca	tgacaacgtc	aggtatggca	240
tttcaaatat	agatacaacc	attgaaggaa	cgtcagatga	cctgactgtt	gtagatgcag	300
cttactaag	acgacagata	atcaaactaa	atagacgtct	gcaacttctg	gaagaggaga	360
acaaagaacg	tgctaaaaga	gaaatggtca	tgtattcaat	tactgtagct	ttctggctgc	420
ttaatagctg	gctctgggtt	cgccgctaga	ggtaacatca	gccctcaaaa	atattgtctc	480
aacag						485

<210> 145  
<211> 465  
<212> DNA  
<213> Homo sapien

<400> 145

ccaagacagc	tcgtttctgg	agagtatgag	gggtgtgttt	cttattgtga	aaggaactac	60
cttctcttag	agggtaggaa	gaatgtggtg	tgtgtgtgtc	tcataaagca	accggacatt	120
ataggtgccc	aggtcatcta	taaaaacgat	ccttgggctg	tgtaaaaatg	aagtggcttt	180
tcagtatcct	ctttcacact	tgtgtcttcg	ggagactatg	caatgatggg	aagggtgattg	240
cccccttatt	tcattcagtg	ccatgggtccc	tgttgttgta	gtaatttatt	tgttttagttc	300
atTTTTTTTT	tcttaacagt	caagggggaag	agtgattcct	cacactgctt	tcaagctgga	360



ctgagccagt ctcattctgg gaaagaaatg ctgtgtccag aactcagcag ctccatctat 420  
 tttttccagt cgaaagaaac tgatcttttag gcagttttta cttgg 465

<210> 146  
 <211> 351  
 <212> DNA  
 <213> Homo sapien

<400> 146  
 ccagccgggg taatctgtat gtggcggact tgagctacga cgtgggcggc aagtgcctgt 60  
 ttgaccagat cagcggcgtg aagcttatgc caactcatcg tttgataaat ccgaggatca 120  
 gttcaagacg tcgcagcggg tgatttttggg aacgtcgttt tcggtcagta aattgtgggt 180  
 agcgacggag tggttgatcg gcaagaatga tccgtatatt ggcgggagca gctataccga 240  
 gagcctgggg gctgggggga gtaaccagtg ggagaatcag ttatatatga acattgggta 300  
 ctacttctga cttaagatct ccagcgtttt aactggcctt atcgcaggca a 351

<210> 147  
 <211> 654  
 <212> DNA  
 <213> Homo sapien

<400> 147  
 acttattttt aattactgaa tatttcttag acgttttggg acagatttta tgtaatcttt 60  
 ataagtatga tttctgaaga aaagcaaatg cattagtatg tttgccttaa acttgtagac 120  
 taaaccaagt attgtaaaat aaacagcgat aacagtgata gtttttaact ctatggtcac 180  
 tgtatcactc tggaaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240  
 agtgcaggtc ttagtttttc ttttttctca tttcttttga aatggcatct cgaacaaagt 300  
 ccaccaatcc ctttacaaaa gaatgaactg ctctctgtg tgtacttcat agaagggtgga 360  
 atcggacaga ggcagggttag tgacagttag tcctgaaata caggagcaga gtacagtctg 420  
 ttgtggtttc ccggattccg cgccctagctc agccaattaa gcatgagaca taggccattg 480  
 agccacttag tagttatgag agtggataga ttggtagtga agaggggaaag aggtctgctg 540  
 taaagaacaa cacttgtttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 600  
 gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg 654

<210> 148  
 <211> 539  
 <212> DNA  
 <213> Homo sapien

<400> 148  
 tgaatatcat gaggggtgatt ttcacctgat tgcaaaaactg ccatagtttg aaacactttt 60  
 tcaattttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtggt 120  
 ttgcctttctc caacctaaaa aggaaaagct ttaaaccgatg aacttacatt ctattaaacc 180  
 atcagacttg agcttatcca tctgttttagc gtgaatgtac aaaccaggta catttccacc 240  
 aaacacatag aaaaatcttg tgcatacagc ttcagctaag ggtagtagga caatccttac 300  
 aatcctcctt ggattttctt ttttaagatgt caaagaagca ggtaagcaac attgttcatt 360  
 tgttactggg tgttctagat caaaccttca caagctatat atatagcttc atatgctata 420  
 gcttacaaat ggggtaacaa agtaaaagaa aagaacaaat tatactttga cactttatag 480  
 tcaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539

<210> 149



<400> 149

```
<210> 150
<211> 200
<212> DNA
<213> Homo sapien
```

<400> 150

```
<210> 151
<211> 515
<212> DNA
<213> Homo sapien
```

<400> 151

```
<210> 152
<211> 243
<212> DNA
<213> Homo sapien
```

<400> 152

<210> 153



<400> 153

```
<210> 154
<211> 843
<212> DNA
<213> Homo sapien
```

<400> 154

```
<210> 155
<211> 674
<212> DNA
<213> Homo sapien
```

<400> 155

tttcgtgtca	gccccaggtt	tgctccagct	attcacaagc	agaatataac	acaagaaaaa	60
caattcatat	cccttaggga	aaaaagagga	tcaattcatc	actcaatatt	taatacagcc	120
aaaatgagct	gccaaaacaa	gcacacacac	aaatactgtg	aacagaaaaa	tacaagaaaa	180
tgactaagct	gggagtgctt	acgggggtat	gacattgctt	aaagcactta	tcagtcccca	240
gaaaaaacaa	accaaaaaaca	ttttttacga	tggcatggcc	tcatggcccc	ctttaaaact	300
gttgatggta	acaaaggggca	gggggtgggg	agagaaaaaca	caatcactgc	tccttttttg	360



```
<210> 156
<211> 671
<212> DNA
<213> Homo sapien
```

```
<210> 157
<211> 474
<212> DNA
<213> Homo sapien
```

```
<210> 158
<211> 584
<212> DNA
<213> Homo sapien
```

<400> 158						
ttggattctg	cagttccaca	tcattcactc	cggcaaagga	gagaacttgt	aacaaagatg	60
agtgccaaagt	ttagtcaatt	taccctacct	ggaatactat	atacaactct	gggtctcatg	120
tgtgttaaaa	tacatacagt	gaagctgagg	aagagccact	gaagtaaaaa	gtattgttta	180
caagttggaa	aggatgtaaa	aataatctaa	agtatactaa	gtcaggaata	aaaggcagag	240



```
<210> 159
<211> 671
<212> DNA
<213> Homo sapien
```

```
<210> 160
<211> 315
<212> DNA
<213> Homo sapien
```

```
<210> 161
<211> 607
<212> DNA
<213> Homo sapien
```

<400> 161						
tttytggtc	accttgata	attgcttaac	ttttaaaatt	tacgttcct	catttcctaaa	60
aagggattat	aactcactgt	tattttgata	attgagataa	atgtacgtac	aagtgctttg	120
aaactgtaaa	gtgcattata	aacagagga	tttaccatag	aggttctacc	ttgatgtatc	180
aagagaagcc	ttttctggaa	tctgggtcag	ccttggtgaga	tgctgttagg	taaggggact	240
ccttggtaga	atttcttaca	tttgtgtaaa	aagttctggt	tcctgagtaa	ttccaaagaa	300
gatgctatga	ggagttcact	gtgcctttga	tttgatccca	atgggtcaga	atatgttttc	360



tcattcagta	ggctactaca	ggatttgaag	tagaaaaaac	aggggccagt	gaccttcacg	420
ggatccctaga	tgttcatgaa	tttcaatcat	ttgagattgt	gggggtgtgt	ccaatgctgc	480
tctcaaaaag	atgttgccct	tcttcasaga	gcattaataa	ctaaaaaatc	ccctgggtccc	540
aaattttattg	tgtgtmtctg	aaggctttta	ctgaagaaat	gaaawgcaca	ctcatggaac	600
aaactaa						607

<210> 162  
 <211> 443  
 <212> DNA  
 <213> Homo sapien

<400> 162						
tgagttttga	aaaagtgaat	aatcaaaaagg	aaaataattc	cttgttggtc	ataaattaag	60
catcactaaa	gtctcttgaa	aggcatttct	gtattgggca	agatttaaaa	tactaaagcc	120
ttaggtccta	ttcatattta	aagtagcatg	tttgaacct	gttactattt	ggagagagaa	180
gcagttgcct	gccacaattg	aagactacct	ttcaaatagc	aaaagagaga	gagaaggctg	240
atatttcggg	cttttaataa	aagatttgtg	tggttctgct	tttactgtaa	ctgtcacttt	300
cccagtgaaa	atgatttcat	atacatttga	gggtcttaca	sgtatgggta	aagttctata	360
aattgcaaca	aatgatatac	caatttcatt	ttatcctttt	tgtattgtga	aactggaaac	420
tttatgacat	tgtaaattat	cag				443

<210> 163  
 <211> 686  
 <212> DNA  
 <213> Homo sapien

<400> 163						
caggcaaat	atagtcaa	acatcacccc	cctcaggcat	ctgtggcaag	gcacccctct	60
agayaacaac	taattgatta	cttgatgctg	aaagtggccc	accagcctcc	atatacacag	120
ccccattggt	ctcctagaca	aggccatgaa	ctggcaaaac	aagagattcg	agtgagggtt	180
gaaaaggatc	ccagaacttg	gatttagcat	atcaggtggg	gtcgggggta	gaggaaaccc	240
attcagacct	gatgatgatg	taagttagct	ttgtatattc	ttgaaacacc	tataaagttt	300
tatttaccga	ttgaataact	aaatgtaagt	gaaaatctaa	tagatgttta	tgtaaatcta	360
ggtagacatc	acctggattc	cccactctat	tgcttacctt	tttgttttgt	aatttgatca	420
gttcaagtta	aaacaattta	accaaaaact	atgaatgttt	atgatataat	gaaatgattg	480
ttaactttct	tattgctttt	tcacacacct	ataaaagtaa	ttttattact	cccaagagaa	540
atcactaaag	gcagaattac	tagaggtaaa	aataactagg	gttgggtacag	tattactcag	600
gagaagtcaa	ggggagaaaa	cttgtcccaa	tgattcaaaa	taattttggc	atggggggggg	660
ggagggaaaa	aaatttggtc	tccttt				686

<210> 164  
 <211> 706  
 <212> DNA  
 <213> Homo sapien

<400> 164						
ttttttttgt	ttcatttgct	gcttaaaaata	aaaattataa	attagattta	aatggagcac	60
taattataaa	acagattgca	agtaccacca	tttgaaaaaa	aaaaaaaaaa	tcagtggatt	120
tccataacac	agaaaatgca	tggacatgca	tctacagtag	agttaaaaat	ttcctgtgac	180
taaaaaatta	aaaactggaa	tcaccagtag	caaattgtata	gtcaatggct	atgacaagaa	240
cagatcctgc	cgagctcata	aatgcaatta	ttggcttttt	tgctttataa	aaaagacatt	300



```
<210> 165
<211> 427
<212> DNA
<213> Homo sapien
```

```
<210> 166
<211> 124
<212> DNA
<213> Homo sapien
```

```
<210> 167
<211> 232
<212> DNA
<213> Homo sapien
```

```
<210> 168
<211> 677
<212> DNA
<213> Homo sapien
```

<400> 168  
tttcacaatt aaccaacatg caaaaattct cagactaaac actgagaaat tcttcataca 60



```
<210> 169
<211> 635
<212> DNA
<213> Homo sapien
```

```
<210> 170
<211> 533
<212> DNA
<213> Homo sapien
```

```
<210> 171
<211> 568
<212> DNA
<213> Homo sapien
```



&lt;400&gt; 171

cccttgsc	aa	actttcc	ctt	aagtatt	gca	ctacaag	tct	aagacac	ttt	t	cactcaa	ag	60
ttccttc	ctt	ccttac	ctt	cttttaa	actt	ggagtc	agac	tttcat	cagt	ctgaca	actt		120
ctccctg	tct	ccttcct	ttt	ccccctt	ca	agcatt	tc	accta	acaaa	tttctt	atgt		180
gcttaat	ccc	ctcttag	aag	cagatg	ccaa	gatggg	atta	agcacat	aag	aggtc	ctgga		240
ctaata	caat	gacaa	aggct	cccctt	gaag	catcac	acta	aaagg	aaaaa	aaaaa	aaaaa		300
acctag	ccat	tttacat	taa	ctatttt	ctaa	aatatag	tat	ttgctt	ccct	atttg	ctaaa		360
acaaaat	tata	ctaaac	atga	ctattcc	aaa	aatctg	tagg	gtacta	aagaa	tatga	agaga		420
ttcact	ctac	ttcag	gggat	ggagtt	gtag	tagaaa	aggc	tttgt	ggagg	gaggg	tgggtg		480
tttgaa	atgt	actttaa	aaag	ccatc	ctcaa	agcctc	gagg	gctata	acctg	gcctg	ggtgat		540
tatcca	agga	cagtc	cattc	aaacag	ggg								568

&lt;210&gt; 172

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 172

ccatttac	ag	gaatcag	cca	cttcagt	tca	gacagc	ttta	ttaaacc	gcc	tggag	cgaat	60
tttcga	agca	tgttttc	ctt	ccatact	tgt	ccctgat	gct	gaagag	gaag	ttactt	ccct	120
gaggcact	tgt	ctggaa	acaa	gcacttt	gcc	aataaaa	acg	agagag	g			167

&lt;210&gt; 173

&lt;211&gt; 391

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 173

cctcccaa	ag	tgtctgg	gatt	acaggc	atga	mccmcc	mcgc	cctgat	gata	gacacg	tttt	60
taactt	ctaa	aaatat	atga	tcatg	attgt	gtctgt	ggag	acttgc	acat	atact	aaatt	120
ttaamc	aatt	agagat	atatt	gttcatt	acc	acatttt	ggg	agtcatt	att	tcctc	tatga	180
agagaga	aaag	gaattt	gata	caagtt	caca	ggggctt	cca	gtagatt	gag	actttt	atatt	240
ctagct	gagc	tgtctg	atga	tgaatt	tttt	ttgktat	tatt	gacttt	cata	tgtatt	aaaa	300
ataaaat	gaa	aaaaca	aggg	attagg	ttag	gaacct	tatac	gtctct	aata	tgcaaa	atac	360
cacagaa	ata	atgact	gktg	ggaaa	aattag	g						391

&lt;210&gt; 174

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 174

gaactc	agag	aggatt	tgt	caccctt	ggc	atctg	agctg	acactat	aag	gacaat	gagg	60
agtctc	cttg	gggatag	atg	gggagat	gga	aggacg	atgc	ctgtc	cctacg	gggtc	cttgg	120
aggtag	ggga	tacacac	tgt	gagctg	ccac	aggctc	aaac	gtacg	gatag	ggggt	gctgg	180
aaccag	ccag	ggctct	gatc	accaag	ctat	gtgcccc	atg	cagagga	agg	ggtagt	ggca	240
cactga	acca	cccagc	caca	aggctat	ctc	cccata	cagg	gcacct	ttta	aaaaat	tatc	300
cttacag	ggg	aagacg	ggga	ggaagg	atga	actgtg	tgcg	gtgatg	ttgc	agtga	gtgtg	360
agtttg	tgtc	cgtccg	cttg	tatgag	ggcc	taccttt	tac	taactag	ccc	ccaact	ttca	420
ttatct	cccc	ttttt	ctgtc	taccctt	ctg	ccttttt	taaa	gtggctt	gca	atcc		474



<400> 175

```
<210> 176
<211> 660
<212> DNA
<213> Homo sapien
```

<400> 176

```
<210> 177
<211> 459
<212> DNA
<213> Homo sapien
```

<400> 177

ctttttctct	tctctgtgg	aatggtgaaa	gagagatgcc	gtgktttgaa	gagtaagatg	60
atgaaatgaw	tttttaattc	aagaamcatt	cagaamcata	ggaattaaaa	cttagagaaa	120
tgatctaatt	tccctgttca	cacaaaacttt	actctttaat	ctgatgattg	gatattttat	180
tttagtgaaa	catcatcttg	ttagctaact	ttaaaaaatg	gatgtagaat	gattaaagggt	240
tggatgatt	tttttttaat	gtatcagytt	gaacctagaa	tattgaatta	aaatgctgkc	300
tcagtatttt	aaaagcaaaa	aagggaatgg	aggaaaattg	catcttagac	cattttttata	360
tgcagtgtac	aatttgctgg	gctagaaatg	agataaagat	tattttatttt	tgkktcatgyc	420
ttgkactttt	ctattaaaaa	catttttacga	aaaaaaaaa			459



<400> 178

<400> 179

<400> 180

caaacacaaa	agtcactgtg	tgtgtgatgc	ttctccaatt	ccactcatcc	tggctgccat	60
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taactgctta	gatatatatg	aagtaaaaaat	gaaagttctc	cctttacatg	acccatcccc	180
catcatttcc	ctcttttatct	tatactgtca	gcattcccag	cttgtagcac	agtgtctggc	240
aatagtaaat	cctcaaaaaa	tgatcaatga	ataatttaat	aatgattaat	aaataaatta	300
atgatgatgg	tgaagataaa	tttttagcatt	tattgaacgc	taactacaaa	ccagggagtg	360
tggtaaatat	tttataaaaa	tcaatgaatg	agctaaaaatg	ccatttctatt	atttttttgg	420
atacgggttta	atatttttact	cataaatatg	cttaaagaat	attataatta	tatgacttag	480
aatggtaaaa	caatatgtac	agcagtatcc	tatttttttag	aataaaaaata	taaatattgtg	540
ctcacatatg	tgggtggggc	atgcctagaa	acccgattag	aacgggattt	tttcttacca	600
ccattttttt	tacctgggaa	aaatatggga	aaatttttatt	tcccttcttt	ttggttctaa	660



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<210> 184
<211> 700
<212> DNA
<213> Homo sapien
```



<400> 184

<400> 185

<400> 1.86

<210> 187



<400> 187

```
<210> 188
<211> 394
<212> DNA
<213> Homo sapien
```

<400> 188

```
<210> 189
<211> 681
<212> DNA
<213> Homo sapien
```

<400> 189

aagttctgac	tttggctcat	aaaacagggt	tattggctgt	ggctgcactc	aatatctaaa	60
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gttgttgaga	aacacatatt	atggactgag	ttctgtttct	tctgctgtgg	cgcacctaa	180
ctcaagcctt	ccttctctcc	ctccccctct	ggccggcatg	gtatctgagc	tcacagacag	240
acaaggcatg	ttagaatcat	cagatcatga	gcaccgtgct	gggatttagc	cctctccaaa	300
gtcaattctt	acagtccata	ctttgcttaa	atcctcagtt	gttgagggtc	gctctgctgt	360
cagtaatccc	agctataaat	ttcccccaaa	tgtggggcct	agataaaagta	gaaagtgqat	420



```
<210> 190
<211> 839
<212> DNA
<213> Homo sapien
```

```
<210> 191
<211> 697
<212> DNA
<213> Homo sapien
```

```
<210> 192
<211> 687
<212> DNA
<213> Homo sapien
```



ctgggtacta	tagctttgtg	gtataattta	aagtcaggta	atgtgattct	tccagttttg	60
ttattttctgc	ttaggatagc	tttggctatt	ctggatcggt	tgtggttcca	tataaatttt	120
aggatagttt	tttgctattt	ctgtgaagag	tgtcattggg	actttgatag	ggattgcatt	180
gaatctgaag	attgctttgg	gtagtatgaa	cattttaaca	atattgattc	ttccgattaa	240
tgaacatgga	atgtttttcc	tttatttggc	gctctcttta	atttccttca	tcagtggttt	300
ataggtttca	ttatagagat	ctttccttct	tttgggtaat	tcctacgtat	ttaatttatg	360
tatcgctatt	gctaaatgga	atgacttttt	aaatttcttt	ttcacattgc	tcctgggtggc	420
atattaaaaag	ctactgatgg	atgggtgattt	tggattctgc	cactttactg	gaattgggtgg	480
atcagttcta	atcgttttct	tatgcacccc	tttacggttt	ctacatgtaa	gaatatatca	540
ccttcaaaca	cggataattt	gacttcttcc	ccatccaatt	gggaggccct	ttatatcttc	600
tcttggcctg	aaggctctac	ttaaaacttc	ttatcccttt	gttgaataa	cagtggggac	660
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<211> 493

<212> DNA

<213> Homo sapien

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agttttgcc	attatcttca	tagagtagtg	atataatgaa	tgcaacctca	aatgcaaacc	180
aaccaattca	cagtcctatac	cccaatcact	tccttcac	gcctcaaaaa	tcgctaagt	240
aaccagtaga	atggttttgg	agcagtaata	ggaaagcaaa	tagaaaagtc	agggggactt	300
tcaacgccaa	caagaccaat	tcagatcctg	atctgactgg	tttctaatac	aatctctttc	360
cagagtaatg	gagcatgagt	ctgccacaca	gaactttaga	gagagtcctt	tatttcaaag	420
actgtaaaag	tggaagaatt	cattcatctg	caaagtcaaa	tgtcaaaaagt	tgtgcttccc	480
actcctcatc	agg					493

$\langle 211 \rangle$  424

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (424)$ 

$\langle 223 \rangle$  n = A, T, C or G

cyaggggcant	tnagcangas	aaggaaatan	mggggattca	attaggggaac	wraggakarw	60
caagttgtcc	stgtmtgcag	atgmsgtgat	tgtatatcta	gamcacccca	ttgtctcagc	120
ccaaaatctc	cytaagttga	taagcawctt	cagcarmgtc	tcasgatscr	acmtcwatns	180
gcraaantca	cmwgcattct	tatacaccaa	tawcagacaa	acagagagcc	aaatcatgag	240
tgaactccca	ttcacaattg	ctacnmaaga	gaataaaaata	cctaggaatc	caacatacaa	300
gggatgtgaa	ggacctcttc	aaggagaact	acmaaccact	gctcaaggaa	ataaaagagg	360
atmcaamcaa	atggaagaac	attccatgct	catgggtagg	aagaatcaat	atccgkga	420
atgg						424

<210> 195



```
<220>  
<221> misc_feature  
<222> (1) ... (229)  
<223> n = A,T,C or G
```

```
<210> 196
<211> 557
<212> DNA
<213> Homo sapien
```

```
<210> 197
<211> 624
<212> DNA
<213> Homo sapien
```

<210> 198



<211> 175  
 <212> DNA  
 <213> Homo sapien

<400> 198  
 tttttttttt tttttttttt ctaacactta tgcattttatt ttcattgtgta agaagaaaaa 60  
 cgtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg ctaaagtcag 120  
 aagtgagtga aagcaaaacc gcatgttgat ttaagtgaaa taacagaaca gaaaa 175

<210> 199  
 <211> 871  
 <212> DNA  
 <213> Homo sapien

<400> 199  
 ctgttgatca atgatgagct cccaagagta accagcctct atatagtcag catcactggg 60  
 ttctcaggaa aagcatcacc attgttcac ttgctgcaaa atgtatgcac aagtatcttt 120  
 ttatttttaa aaaagccctg acattttatg actgctgctt ttctaagata ttttcaaata 180  
 tacagtccat acggttcaga cacaatggac tggggataga gacggctata gtgccgataa 240  
 tggagaaact agccagagct tcagatattt gttttccagg acatctcaat aattgggtac 300  
 acctcacaat atgtgagact tgacgtcgag tggcacggca tactctggcg caggcacttg 360  
 ataaagactg tgtttgcaaa tacttagcct gcaattcaag ataccaggca tctaagcacg 420  
 tcccagatgg tgacagttaa tcttcaaaaa accctatgtg gaagtattat cattgtcctc 480  
 attttacaga tgaggaaaaa gagacacagg gatgtcaata tcttcctcaa ggtcacacag 540  
 caagtaagtg atggaacagt ggctcagcca tgaagctatt gctgttaacc actaggttga 600  
 tttgccttca ttaatttctt cctaaaactg cacatttccc gttagtcctt ctttttggtc 660  
 tgtcgtttga ctcttggtta ctgcttagag gaagattcat tctattattt tctaacttag 720  
 taaatatgtg caactccttg gggacatgac caggcaaaag ctggatacag aaatgtatgc 780  
 ccaaacacca tcccaagtta cccctaacag gtcttttctg gacctgttt gtaagggggg 840  
 tatatttggg aaaattttta aaattttctg g 871

<210> 200  
 <211> 737  
 <212> DNA  
 <213> Homo sapien

<400> 200  
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 ctgaactgtc cttttctgga ccatgagtaa agatgctggc tgtcaaaact cctgttcata 180  
 cattagttta tttatagagt gtactctcta tgtaagggtat tgactgataa tgttactttg 240  
 acttcagata gcttgaggtt taatggagga agaagacaaa catgcaaata actaggtcaa 300  
 tgaggcatcc tttgtgttcc attggaagct aggctgcttt gtaaccttgt taatttctgt 360  
 ggttttggag tgcattcatt agcaaataca ccccttgctt ttatccattc tctgcttttt 420  
 tctttatttg gcatttgatg acattttttc atgtggggaa attgagtcag gtgaggtgga 480  
 aagaaaataa ggacacgaca ctaaattctt tgatgttttt ccttaaaaaa ttgtttttca 540  
 agtgcctcat aaaggggtgt gaagttttta gagccatagg acttgatta ttgtgaaga 600  
 gtgtctctag ggggccaggt taaaccattt caaggactct ccttctctca tctcccttgt 660  
 tccaccaggt gtggcgaccc caaaaagca caagcctcc ctttcttcat ggaagggtga 720  
 aggaacggaa ggaacc 737



<400> 201

<210> 202

<211> 283

<212> DNA

<213> Homo sapien

<400> 202

<210> 203

<211> 713

<212> DNA

<213> Homo sapien

<400> 203

<210> 204

<211> 275

<212> DNA

<213> Homo sapien



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ctcagtgtcc	caaaatttaa	aatttccttg	cactttacag	caaaaataca	tattggggct	180
ctactgaagc	aatatataca	tgtcaaaaact	aaaaatcaga	aaagcaaaaag	ggtcatttca	240
acatatagca	gcttatattt	aaatatgtac	aggtatgtat	gttttcacag	ttagatcttt	300
aaaaaaaaatt	atatttgata	tgttcaaaaa	tacttctatt	ggctataaat	aatatttttaa	360
aagctcaact	gatcaaaatg	cattccaaga	acatatcaaa	ttaaataaat	cttctacgtc	420
tttaaaaaaca	gataattgaa	gtcagtaaag	cttgaggttt	gtgttaagtg	tattctgtca	480
gtccctacta	ctagggaagg	cagaatcttc	taaatacgat	acgaaagaaa	ctcccaaagc	540
ttggaaggaa	tcggcagctc	ctgaactttt	tggggggggc	atccctcttc	gggattgaca	600
tgcgacataa	atgttgcaag	ctaagggacc	cccccgggg	gagtgggcc	caaaaaaaaaac	660
cacaccttcc	ccgtcaatgg	tgggtcccccc	accaacctta	aaaa		704



attatttttga	accctagcat	ttagaaatga	aaaacttttt	ataacaatca	aatacatgat	60
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ctttttgcta	cctctgataa	agaatagact	aaattctcca	agaccaatct	gactggtgtc	180
ataataaaaag	gaggtagaca	cggaagcaca	agggatgtgt	gcctctggag	gaaagggtcag	240
gtgagggactc	agtgaagaaga	caagccaagg	agccaggtct	tggaagaaqt	caaccctgtt	300



```
<210> 210
<211> 277
<212> DNA
<213> Homo sapien
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```
<210> 211
<211> 715
<212> DNA
<213> Homo sapien
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```
<210> 212
<211> 717
<212> DNA
<213> Homo sapien
```

<400> 212						
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gaaactcttc	ccacaaccca	gcagtagata	tattaaaacc	tacaattttc	agggatacaa	120
ccaatattta	attcttttga	gggttttgtg	tttaatacaa	ggacacaaac	acacgtataa	180
aatgacgatg	tcaatactga	ttaaacagaa	caacaaaata	agaagctcaa	attatcatca	240
gctatttgtg	atatctgaaa	taacaataat	gcacttgatt	ctgaaagaat	gattagagtt	300
cctactctga	aaatctaatt	gtcttgatgt	ggcgaagtga	gaagaaagga	tgatttttct	360



```
<210> 213
<211> 599
<212> DNA
<213> Homo sapien
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```
<210> 214
<211> 789
<212> DNA
<213> Homo sapien
```

```
<210> 215
<211> 765
<212> DNA
<213> Homo sapien
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<400> 215



ggatgtctga	gcaggagaga	gaccatgtga	aggatggact	gaatggagac	ttgtatcaaa	60
gagtctgagt	atcaaagact	tgtattagag	agggttgttg	tagtaatcta	gtcaggggat	120
gagaaatgg	ttgtattaga	gtgtcaggag	tagtcgtggc	aaaaatatat	agatcaggat	180
gagggatggg	cctcatctca	caccctgact	ccagtcaatg	gcagtggctc	cctggagtag	240
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ccttttctgt	gcagatgttg	cttctggtag	atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag	taaattatgg	aggggtgtaa	agactactga	tatttaagcc	tgcggaccgg	480
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tgattttact	cttgcaattt	ggattgaggg	gtggggaaaa	ccagaaaggg	gctggggggg	660
aaattagtag	aagggtcacct	tgaattcatt	gtggtccata	tcaatgctga	aactgattgg	720
ggaacttttt	actcttgagt	ccctttgtaa	gggaacccca	gaaag		765

&lt;210&gt; 216

&lt;211&gt; 780

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 216

ccttttctgt	tggcaaatgg	aggcttttca	ctgcctgtag	agacaatata	gtaagcatag	60
ttaaggggtg	ggtcagaaca	tgttaagata	acttactgta	tatgtattcc	cttgtatttt	120
gttaaagctg	gaacatttga	tatttttcca	tttatttatg	aaaaaatatg	aacctatttt	180
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gctacaacaa	aaggacttca	ggaacaagta	atgtattagt	atgggttcaag	attgttgata	720
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&lt;210&gt; 217

&lt;211&gt; 810

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 217

cttttaggca	gcccggcacc	ttcatccata	ggcagagaga	gaactgggtg	ttggagactt	60
attcgagggg	ataggaaggg	ccctgtgaag	ttgatattaac	ttttggatgt	cagactgtga	120
aagctcctga	gaaacttggg	gtaataggat	cttcttttgg	ggatgaaaat	ggggaagggc	180
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gatggatgga	gcactcaggt	tagacttggt	ccttctccta	tgctggagga	gagggatggg	480
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tctgaaaact	gcatattcac	tttatgtggt	ttcagaatac	tgggctcaat	actaacataa	600
gaaagacact	tcattgagaa	attcttaagc	ttacagaaaa	cctatctctt	tgcacattcc	660



```
<210> 218
<211> 817
<212> DNA
<213> Homo sapien
```

```
<210> 219
<211> 661
<212> DNA
<213> Homo sapien
```

```
<210> 220
<211> 792
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc feature
```



<223> n = A,T,C or G

cctcttttta	ttctacaaa	taattttcaa	gtacacacaa	ttgggtaaac	aaagaaacaa	60
agccaccaag	aatgaaaatc	agtaggaata	acgaacaaga	ctcacagatg	tcaaacaagt	120
ctgtgggtct	tgcgacttc	agatgttgga	attattagtc	gtggcaagn	nncaaaacat	180
tagctattac	cattatgttt	accaactagt	gaagtgaact	atgagaggat	atattaacca	240
cagaagttaa	tagaagaata	gactcctgaa	aatatctgga	tgctacaaac	taaaatatag	300
tatataatcc	ttcatagagt	gtcagtgact	tcatatttat	aattacattt	ttgtatatta	360
gcagtgttct	agttcttact	gccttatctt	taagctgann	nnaaataaaa	ttatatatttg	420
ggattcaaaa	acacatagct	aatgattact	atgtggcagt	gttacattac	tttatcacat	480
atcattaaca	taatctgcat	gtgttcaaag	agatcttcat	acttctttgt	agctccact	540
tctttgtcgt	ctttgtagct	cccacaacat	ctagaacagc	acaaccgtat	atggagaaaa	600
ctcagtcctag	tattcgttga	atgactaatg	gaaaatttag	ttnataaaca	gaactttctt	660
cattgnacaa	attatcttgc	agaagaataa	tggccttagt	ttaaaattat	catattttacc	720
catntcncca	ngttatttta	tctcttttgg	ctaanaattt	tgaaaacggt	accttttacc	780
ctttggcatt	tt					792

<211> 759

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

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cactgataga	tgcttagtgg	aaaaacttcc	aattcccat	tacagctctc	agagctagga	180
ttaaaaactc	ctggtcataa	actcatgtga	tgagaagtta	tagcacgccc	tcattttcta	240
catanccact	tgcatttatg	gttggctttt	gaacttgcta	gaagggaaag	aagtgcaa	300
gtgtcctcct	tagagctact	ctcctccct	tgggtgggtt	ccagtttgtg	cattgtccag	360
atggcccagg	agctgacgat	caaagggaag	aagtcatgtt	tgtcatgaga	atgctttgct	420
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tggagctcag	aaaccatcac	tgaggttaga	aagtgagcac	caaagttgag	ggaagccac	540
aggagtgagc	cgaagtgtct	cctttggatt	tccaaagtgg	gtgctgtctc	ttcttccatc	600
agccttgctt	ctgaccccaa	tgcgttctct	gtgccttctt	cttggcattt	tgctgtcggg	660
ggcccaagga	aaaaaattcc	tgcatggcag	tggtgaaaaa	agatggctgc	ctgctgaaac	720
ctgatttggc	ctgggttaagc	cttttggagc	cccgttaa			759

<211> 699

<213> Homo sapien

<221> misc feature



<223> n = A, T, C or G

ccttntnaag	agttggcatt	aattcttcac	taaatgtagg	agtagaattt	atcaggtaag	60
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ttgttatata	tgtattcata	tattctgttc	cttcttggtt	ttacttttat	gattgggtgcc	180
tattgaggta	tttatttcta	gtttgtggta	cttcatgtgt	ttaggttttc	tagacagtgg	240
acatagaaga	ttcaagaagc	taaatgtagg	agaatgnta	atgtaggana	ntgaggcnac	300
nataatcatca	atgaatgact	tgaagtttcc	tctgttgtaa	agaatgatat	taccataact	360
gccatagnta	atattgatgg	tgtaagtcaa	ataanaaggc	aggaggaaag	ggacatccat	420
cactgaacca	canatcagag	nctcattgaa	gcctttgaga	agaatccaca	aaattttaca	480
ggataattca	tttcctgcga	tcaccacnag	aagagaaact	ggttaaacag	acaggtattc	540
cagagtccaa	aaattttacat	ttggtttcng	aaccaaagac	ctcagctccc	aggccacagc	600
aaaagggggc	ttatgaattc	cctggcacc	agncccaaga	cccaanaacc	tcattcttgat	660
tggttttnggg	cttgggaaac	caaaaaacca	atgggtggc			699

<211> 598

<213> Homo sapien

aaaaagagaa	agtttcagat	ttgccattca	aggcttattt	atatatatgt	gtgtgtatat	60
aaatacatgc	acacacttgc	atacatatat	atttttggct	gggggagtgt	gagttttgcc	120
tttctaaggg	agggaccgcg	caggctcctt	tgttctgtat	tctggcggag	atgggtcctg	180
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tgcagcaacc	agaaagggat	gaacttggcc	ctcttgcggg	cctggacaag	gtctcttccct	300
taccctttct	gttgccagtc	agcaacctgt	aactcacatt	ctcttcccag	tgaatccctg	360
ggagcgcctg	accctggtgg	gctgttcagc	ttcctgctgc	tggggccagc	aattttttgag	420
gatttatctt	taggccaggc	ttgcctccgt	acttatccct	gctctcccat	ttctctcttg	480
tttgagagag	aatgaggaag	caaagagtga	gaaagaatag	gggctgaaga	cgccactccc	540
agatggctct	ttctatcctg	ctcttctgtt	gaaacacacg	tgctgtgggc	ctcaggcg	598

<211> 501

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

aaacctttat	gatgacttcc	ttatgaatta	ctgaacgaac	actggaatgg	gactcaggta	60
tcctgaggac	atctctcaac	tctggcctta	gttccccctc	tgtaaaatta	gggtgccaac	120
taaatgatct	acaaggtccc	ttccagcgcc	gccattctgt	aattacatca	tgtgtaactg	180
tattaaacat	acacaagtga	ctgccaggca	tgggaatgta	acttccgagt	aaatgctttg	240
gtttgttcag	aatacactat	gaacttcttt	caaagacggy	gttgtggtaa	atagtggata	300
ttttgattat	aagaaataga	gtttccttga	agctttagct	ggagatacag	caatagtgtg	360



```
<210> 228
<211> 343
<212> DNA
<213> Homo sapien
```



ctgtggttt	tcctaaacgc	ccctcatctg	gttgaaagccc	tagtgtttct	ttctcacatc	60
agaggcaaat	gcattggggt	gggtctggtt	tggacaataa	atttcctctg	gtttggacca	120
agaaaaacag	agttctttga	ccgctaacat	atatgtaaaa	agaaagtgtg	taaaaacaag	180
agttaaaatg	cttctaacag	tgtgggtcatc	actgcacagg	acactggaat	tggcattcgg	240
ggtttgtgtct	gtccatgtgg	tttcggttga	tgtcatgtgc	tctcagctca	gacagagaca	300
tccaattgac	ttctgacttg	gggcattt				328



<210> 232  
 <211> 595  
 <212> DNA  
 <213> Homo sapien

<400> 232  
 cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga attttttagct 60  
 gtgcagatag gtgatgttgg gatggaaaat gctaatacaac taccctttct tttatcaagt 120  
 aattaaaata aatctacata aagaaccaa aaggctgttt tataaaagtg aaatatccag 180  
 tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat tttttccag 240  
 tgaggataga ccacaagtgg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc 300  
 atttaacagc ataatttgtg ggaagactgg aatagggtg aataaatgtg tttgaatctc 360  
 taattttata ctttcttttc ctgaggaact tgatttttct gtccctggat cgccttgta 420  
 taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagttg 480  
 gatgatcagt tttttataaa aatatatatt tttgtccaag aaaaaaaaaa gcatacatat 540  
 gtgattatgg ctaaatacaa ggtaactgga atgtatatac ttttgtaat gttcc 595

<210> 233  
 <211> 600  
 <212> DNA  
 <213> Homo sapien

<400> 233  
 atgaaggtaa actctaaaat cttcataggt caacaaagaa aattttatcct tcacacttat 60  
 ttctagaaag cagcaggggt tatttcctag attgcttaca atgaagctag aatatctgag 120  
 ataactgtag agtttcaaaa aggatcccta ggggtacttc tacgtttctc ttaccagttg 180  
 agcactctcc ataatttcca gacgggtcat gggggagaat gatagaaatg agcgtgggaa 240  
 gaaagacaat gaaattagaa atgggtgaga cacatgggtg tagaatgcta agagcaggga 300  
 tcaggacaat caaccagggt tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa 360  
 tgttaggaag aaataaaact aaaggaaaca ccacattttt ccaattaaac tcaaatctat 420  
 tgacttgagg tggttctttg atgttggtgg gactgctata acagaaacca attggatttt 480  
 caagggcaag aaactttgcc actgaataag atgatgtcat ctttcctgat aacaaatagg 540  
 aatgggtggc cagctctaaa cagcgtggac tgaggaggtt gcttttctac aatattactt 600

<210> 234  
 <211> 500  
 <212> DNA  
 <213> Homo sapien

<400> 234  
 aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat 60  
 aatttcagtg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120  
 cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaa 180  
 gtttgctaaa ccatagacag acaacctctt tgtgactggg attataagggt ttataatgaa 240  
 aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttatatt gaagttttga 300  
 gtaagaggtg agtgtttggc aattttcaac actccctca aaaatctccc aaagttgcaa 360  
 aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420  
 cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480  
 accttttctt tccagttttt

<210> 235



<400> 235

```
<210> 236
<211> 254
<212> DNA
<213> Homo sapien
```

<400> 236

```
<210> 237
<211> 591
<212> DNA
<213> Homo sapien
```

<220>

```
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G
```

<400> 237

```
<210> 238
<211> 252
<212> DNA
<213> Homo sapien
```

<400> 238

```

aaatggcttt  tgccacatac  atagatcttc  atgatgtgtg  agtgaattc  catgtggata      60
tcagttacca  aacattacaa  aaaattttat  ggcccaaaat  gaccaacgaa  attgttacaa     120

```







<210> 247



```
<220>  
<221> misc_feature  
<222> (1)...(338)  
<223> n = A,T,C or G
```

```
<210> 248
<211> 177
<212> DNA
<213> Homo sapien
```

```
<210> 249
<211> 263
<212> DNA
<213> Homo sapien
```

```
<210> 250
<211> 333
<212> DNA
<213> Homo sapien
```

<400> 250						
aaaaaaaaaca	acagcgtaaa	tatttagccca	caagagcagt	cctaaacaat	cacaattaca	60
ctgtactacc	caagaagact	gtttattgtg	aagcatttac	ctttcaaaaa	atcattacat	120
ttctattttct	tgggtggagca	gcacattgtg	gagtgtgatt	cttaattcctt	cattgagttt	180
gtcaatagga	cattgatgct	ggatagggtg	tcttttgttt	ttatgcctca	gaccatcttg	240
tgagattggt	tgcctatctc	ataatacagt	tttatgcaga	aagggttgaaa	ctatgtaaat	300
ggttttttatg	gaaattatca	gttacaatat	ttt			333



<210> 251  
 <211> 384  
 <212> DNA  
 <213> Homo sapien

<400> 251  
 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60  
 tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120  
 attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180  
 gccatggggg ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240  
 gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300  
 agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360  
 agggacccga gcaagaactt tcag 384

<210> 252  
 <211> 211  
 <212> DNA  
 <213> Homo sapien

<400> 252  
 aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg 60  
 tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga 120  
 tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg 180  
 tgctgtgaga tagagcaaga tcacaagaag g 211

<210> 253  
 <211> 135  
 <212> DNA  
 <213> Homo sapien

<400> 253  
 aaaaattggt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag 60  
 tacaatgaac tgcttttctt caagcaataa ttgtttccaa cttgtctggg aattgtgtgt 120  
 ctggtaactg gaagg 135

<210> 254  
 <211> 361  
 <212> DNA  
 <213> Homo sapien

<400> 254  
 cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgaggggtg 60  
 aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc 120  
 ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtttttg cagaatgtct 180  
 ctcaatttgg acttttttgg caggaataca atacaagtga tacaaatgct tctttaacat 240  
 tagaacctgt ataaaattac cattacagac cttgctatct tacttatagg taaatcactg 300  
 tttaccaagg taagtctttt ggggaatttcc aaaaatgaag tccatggaca gttaaaaact 360  
 g 361

<210> 255



<400> 255

```
<220>  
<221> misc_feature  
<222> (1)...(186)  
<223> n = A,T,C or G
```

<400> 256

```
<210> 257
<211> 255
<212> DNA
<213> Homo sapien
```

<400> 257

```
<210> 258
<211> 604
<212> DNA
<213> Homo sapien
```

<400> 258

ctgaatttgc	aatggagttt	ggtggtgcaa	tcggtattga	ttagtttggc	atagacagat	60
gcagcagttt	agagcaaaat	cgagaaaatg	attttttttt	tcctccttga	tttcttgcca	120
gaagatatct	tactttttca	gcaaactttt	cttttaaacac	taaagcagcc	tagggcaatg	180
ccagatactt	agagcttttc	tcttgattat	aagtagaaat	gggggtgtct	gggctagagg	240
tggagggtgg	atgtgctgtc	gtcacagtct	agctggcagc	aagcaaggca	aaagcagaga	300



```
<210> 259
<211> 429
<212> DNA
<213> Homo sapien
```

```
<210> 260
<211> 385
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(385)  
<223> n = A,T,C or G
```

```
<210> 261
<211> 230
<212> DNA
<213> Homo sapien
```

<400> 261						
ctgtactgga	tccctccagg	tgggggcgac	tctcacctga	ctattacaat	agcctcctaa	60
gtgggtttccc	tacttgcaac	cttgcccgta	taatatctat	cctccacaca	gcaggcaggg	120
cgatccttta	agaatagaag	ttagatcatg	aaaatgctct	gctctgatcc	ctgcaaaagc	180
tcgccacctc	cttacagtca	ccgctgaact	cgtagcagag	gttcaggagg		230



<210> 266



<211> 335  
 <212> DNA  
 <213> Homo sapien

<400> 266  
 gtcctcatca tcccagtttg aggcaagtgt ggagtgggga aggccgtctt agaccataga 60  
 ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120  
 gatgccc aaa caggagaagg cacttgccca cggtcatacg gcagggtgcc acaaaaccaa 180  
 gatggcagcc ctctctcagc gtgcctcact gccactccca gagccaggga gcccataaa 240  
 acccacatca tgtcttaaga gtatatctgg ctcccttgacc agcaatcggc cctgggagcc 300  
 accaggtggg aaaagcgcct ctgccagagt ccagg 335

<210> 267  
 <211> 619  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (619)  
 <223> n = A,T,C or G

<400> 267  
 tggagctctg acgaagggat cggggagggtg ctggagaagg aagactgcat gcaggccctg 60  
 agcggccana tcttcatggg catggngtcc tcccagtacc aggcccggtt ggacatcgng 120  
 cgctcatttg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat 180  
 gagctcaaaa gcaaggtggt tgcanaaaaa atgggcctgg agacaggctg gaactgccac 240  
 atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccctc cagccccagc 300  
 cacgcaggct ccctgcatga tgacctgaat cagggtgtccc gagatgatgc anaagggtc 360  
 ctctcatgg aggaggagg ccactcggac ctcatcagct tccagcctac ggacagcgac 420  
 atccccagct tcctggagga ctccaaccgg gccaaagctgc cccgggggtat ccaccaagtg 480  
 cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccccttt caccgactgc 540  
 accccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc 600  
 tgccctgggca nctctgcc 619

<210> 268  
 <211> 147  
 <212> DNA  
 <213> Homo sapien

<400> 268  
 cctataaccc agacaccagc atggacaaaa ctcaattata ctgaattcag agacaaaatt 60  
 cagtgcact ctctaccac ttatttaggg ttctacagca tttcactgag cagacttagt 120  
 tttttgtttt tgttttacia acctttt 147

<210> 269  
 <211> 325  
 <212> DNA  
 <213> Homo sapien

<400> 269







&lt;400&gt; 273

ctggagaagg	tgtgcagggg	aaaccctgct	gatgtcaccg	aggccagggt	gtctttctac	60
tcgggacact	cttccttttg	gatgtactgc	atggtgttct	tggcgctgta	tgtgcaggca	120
cgactctggt	ggaagtgggc	acggctgctg	cgacccacag	tccagttctt	cctggtggcc	180
tttgccctct	acgtgggcta	caccgcgctg	tctgattaca	aacaccactg	gagcgatgtc	240
cttgttggcc	tctgcagggg	ggcactgggtg	gctgccctca	ctgtctgcta	catctcagac	300
ttcttcaaag	cccgaacccc	acagcactgt	ctgaaggagg	aggagctgga	acggaagccc	360
agcctgtcac	tgacgttgac	cctgggcgag	gctgaccaca	accactatgg	atacccgcac	420
tctctctct	gaggccggac	cccgccaggg	cagggagctg	ctgtgagtcc	ag	472

&lt;210&gt; 274

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 274

ccaggcggcc	cgaggactta	cggtcggcac	ttctctgttc	tcccgtgtca	gcgtgtggtg	60
tcgcctgcat	gggtcgtagc	tggatgggtg	gtccaccatc	gacacggagg	ggctggattt	120
gtttctcagg	caatcctgta	ttttaatttt	agatgtattt	cctgaagcat	atttttcata	180
gaatgtagcg	tgtaaatagc	ttttt				205

&lt;210&gt; 275

&lt;211&gt; 308

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 275

ctcctcgccc	tccccaccga	catcatgctc	cagttccagc	ttggatttac	actgggcaac	60
gtggttggaa	tgtatctggc	tcagaactat	gatataccaa	acctgggcta	aaaacttgaa	120
gaaattaaaa	aggacttggg	tgccaagaag	aaaccccta	gtgcatgaga	ctgcctccag	180
cactgccttc	aggatatact	gattctactg	ctcttgaggg	cctcgtttac	tatctgaacc	240
aaaagctttt	gttttcgtct	ccagcctcag	cacttctctt	ctttgctaga	ccctgtgttt	300
tttgcttt						308

&lt;210&gt; 276

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 276

aaattaactt	tttcttgcaa	aatattcatt	tcattttttc	caagaaaatc	ttataaaggc	60
aaaaataaaa	ttttattttg	gcaaatgtca	tgaagtcgat	actggcagca	tatggagtta	120
gttaaaaata	gacaacaact	gctagatata	ttcaaaattc	tatttttttt	tctgagcata	180
gtcaaagaga	aattttcatt	t				201

&lt;210&gt; 277

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapien



<400> 277

<210> 278

<211> 264

<212> DNA

<213> Homo sapien

<400> 278

<210> 279

<211> 414

<212> DNA

<213> Homo sapien

<400> 279

<210> 280

<211> 262

<212> DNA

<213> Homo sapien

<400> 280

```
ccaccatgcc tggcctgctt caattttttt atgccacttt gtaaacggca cttaattatg      60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat      120
ctcttttctg atcccccttta gatgcccagt caaccaggac cacacacaga tttcatttta      180
```



```
<210> 281
<211> 349
<212> DNA
<213> Homo sapien
```

```
<210> 282
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
```

```
<210> 283
<211> 543
<212> DNA
<213> Homo sapien
```

<400> 283						
aatatagctc	ctccctaccc	ccaacaatgg	accctgcca	ttgcctccca	gttccttgat	60
cttcctaggt	tccacaactc	tctttttcct	tttagtthta	ttccctccag	ccaaacctct	120
cttattcaat	atthtgagcc	aatgggggag	ttatgtagat	ttttttccct	acacattagc	180
tggccccctt	tatgaccaat	gactcataag	gcaagatgtg	tggatggcatc	ttcggacagg	240
cagcaggctt	taatagggca	gcctgggttg	gtggaggcaa	gcaaagctaa	ttggcatgcg	300
tgggaatcaa	accccaggcc	ctgggctcat	tagcccatgg	tcaaaacaac	tgagccagag	360
gaggtaat	aa	tttgcccaag	aatatcagta	gttcctttat	tagaagaaaa	420
ggaagt	ttggg	gaatctgaat	tgccagagaa	tcttggggaag	agtaataagc	480
aaacaaaagt	gttttttcat	ctcagcgcgt	aaaggggtgct	atatgggaac	aaagaagtat	540
ttt						543



ctgcccacgc	tcaaaccaat	tctggctgat	atcgagtacc	tgcaggacca	gcacctcctg	60
ctcacagtca	agtccatgga	tggctatgaa	tcctatgggg	agtgtgtggt	tgcactcaaa	120
tccatgatcg	gcagcacggc	ccaacagttc	ctgaccttcc	tatcccaccg	tggcgaggag	180
acaggcaata	tcagaggctc	catgaagggtg	cgggtgcccc	cggagcgcct	gggcacccgt	240
gagcggctct	acgagtggat	cagcattgat	aaggatgagg	caggagcaaa	gagcaaagcc	300
ccctctgtgt	cccgaggggag	ccaggagccc	aggtcagggg	gccgcaagcc	agccttcaca	360
gagg						364



<400> 292



```
<210> 293
<211> 333
<212> DNA
<213> Homo sapien
```

```
<210> 294
<211> 123
<212> DNA
<213> Homo sapien
```

```
<210> 295
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 296
<211> 241
<212> DNA
<213> Homo sapien
```

<400> 296

ctgcggaaga	tctgcaacca	ccctacatg	ttccagcaca	tcgaggagtc	cttttccgag	60
cacttggggg	tcactggcgg	cattgtccaa	gggctggacc	tgtaccgagc	ctcgggtaaa	120
tttgaqcttc	ttgataqaat	tcttcccaaa	ctccgagcaa	ccaaccacaa	agtgctgctg	180



```
<210> 297
<211> 295
<212> DNA
<213> Homo sapien
```

```
<210> 298
<211> 347
<212> DNA
<213> Homo sapien
```

```
<210> 299
<211> 268
<212> DNA
<213> Homo sapien
```

```
<210> 300
<211> 185
<212> DNA
<213> Homo sapien
```

```

<400> 300
aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt tagatccaa      60
ctgaccatct ttattttctgt caaaaatcctt catcatgggtg ccggtgtatt cttccagttt    120
agcctcagaa atggcctttc tgtggtgaag aaagagggtct cggaggaagt tgcggagctc    180
agcag                                           185

```



<400> 301

$\langle 210 \rangle$  302

<211> 247

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (247)$ 

<223> n = A,T,C or G

<400> 302

ccatgttctc	tgaattgggt	gcagaagaca	agggcagagt	ggctgcggcc	cctattacct	60
ttgtagcagc	cacatcagaa	agcagaagaa	aacagtattt	ctgaaggcat	tgtttgaggt	120
tgatctcagc	actgaacgat	ttcaagccct	acycaccana	acagaaggag	gytgaggaa	180
gtgatcanag	ggaacyagct	gtaggtttgc	anaaatgtgt	gaaacaaaa	tgatcactgc	240
ctacttg						247

<210> 303

<211> 535

<212> DNA

<213> Homo sapien

<400> 303

ctgcttcaga	ggaaatcact	gaaaaataaa	gaaaaaccat	ccatgcatgg	ctgcatccag	60
tgtacctgta	atcctgaaga	aaagggtccta	attccttcca	tgctgaaatg	ctagcttttg	120
tttcagagag	agactttatt	gcaactgtga	ccaccgtcac	tggtgagcac	tgctgttcgg	180
cccccagcgg	acttaaaaga	ctggaatgtg	gtagtggcgg	tcgttctcgg	tcagcagggg	240
gatctccggc	cagtccttga	gaggctcttc	tgggtagcag	acttcaaagt	ctctggagtt	300
aaacttgaac	agtctgaaca	cttttatctt	tacttcaagg	gagtatccaa	gtataaacat	360
atcaatctgc	tctagtccac	atgtgtcgcc	tacagaattc	aggtgattca	tcatgaagct	420
caaaggatca	gaggatgtct	ccttggaaaa	caggagtcta	aaaagactgg	gaatgacctt	480
tttagtcttc	atttgttcat	aaacttcagt	gacttgatac	agcatgatga	acttt	535

<210> 304

<211> 522

<212> DNA

<213> Homo sapien

<400> 304

cdgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg. 60  
taaataagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120  
tttagatctt tatcctgggtc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180

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aaacttggtgta attgggcca	aattgaacca aagtttgtgt	caagaagacc tggggcagag	240
atatgtgact aaatcatttg	gaatatgccc agacccaag	aatatttatg cccaacttga	300
atgctaacca gaagtccctt	actgtagaag attgtaaggt	tgctattttt ttgccccgac	360
accaaataat tgatgtattt	tccaacacca attctccaat	tctctgacac caactcgatg	420
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<210> 305  
 <211> 165  
 <212> DNA  
 <213> Homo sapien

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agtggcctgg gctgcattgg	aaatgcctgt gaccgcctgc	tgcag	165

<210> 306  
 <211> 294  
 <212> DNA  
 <213> Homo sapien

<400> 306			
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acccacacga cagagacgtc	actcaagcag cacagccaca	aatagtttac agcagctcat	180
gcccggcatc cgcccatgct	gggagactcc ctgaaaggtg	ggcacctgcc gtctatgagg	240
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<210> 307  
 <211> 181  
 <212> DNA  
 <213> Homo sapien

<400> 307			
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cacatttata tctgacaccc	gaccatactt tcagtcacca	gaatatcttc tctccagatt	180
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<210> 308  
 <211> 179  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(179)  
 <223> n = A,T,C or G

<400> 308



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<210> 309
<211> 129
<212> DNA
<213> Homo sapien
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<221> misc_feature
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<223> n = A,T,C or G
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<211> 390
<212> DNA
<213> Homo sapien
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```
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<211> 355
<212> DNA
<213> Homo sapien
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<220>
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<223> n = A,T,C or G
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aaaaacaaaa	gncaccaatc	ttantactgc	tgaacttcat	ttatgtnacc	taacattaac	240
cntcgtagga	aaaccaaata	gccctctcgt	ncangatatg	ttgctaaagg	actacntgt	300
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 <211> 498  
 <212> DNA  
 <213> Homo sapien

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 catgcaatct tctgctaagt taagatggac aacttgctta gtaatctggt ttcggaaata 480  
 gggcatcttt ttcacatcag 498

<210> 313  
 <211> 653  
 <212> DNA  
 <213> Homo sapien

<400> 313  
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 <212> DNA  
 <213> Homo sapien

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 aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa 360  
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 actatgctac atccaaacag tacatctata acc 513

<210> 315



<211> 222  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(222)  
 <223> n = A,T,C or G

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<210> 316  
 <211> 1633  
 <212> DNA  
 <213> Homo sapiens

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<210> 318
<211> 3347
<212> DNA
<213> Homo sapiens
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<210> 319

<211> 1814

<212> DNA

<213> Homo sapiens

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<211> 3132
<212> DNA
<213> Homo sapiens
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aacaacgaga	aggtgctggg	ggagaccagt	tacccagccc	aaaccactcg	actgcccccc	660	
atcacctata	ctggccgctt	ttccctggag	cctgcaccca	acagtggcaa	caccttgtgg	720	
cccagagcccc	tcttcagctt	ggtcagtggc	ctagtgcagc	tgaccaaccc	accggcctcc	780	
tcgtcctcag	caccatctcc	agcggcctcc	tccgcctccg	cctcccagag	cccacccctg	840	
agctgcgcag	tgccatccaa	cgacagcagt	cccatttact	cagcggcacc	caccttcccc	900	
acgccgaaca	ctgacatttt	ccctgagcca	caaagccagg	ccttcccggg	ctcggcaggg	960	
acagcgctcc	agtacccgcc	tcctgcctac	cctgccgcc	aggggtggctt	ccagggttccc	1020	
atgatccccg	actacctgtt	tccacagcag	cagggggatc	tgggcctggg	caccccagac	1080	
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<210> 321
<211> 2280
<212> DNA
<213> Homo sapiens
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<400>	321						
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gccgccaccc	acatagtata	cccttgctg	caaggatggg	tgatgatgt	ctcgctcacc	180	
tcgtttctca	tctccttgat	gttctgttg	tcttacttgt	ttggatttta	caaaagattt	240	
gaatcctgga	gagttctgga	cagcctgtac	cacgggacca	ctggcatcct	gtacatgagc	300	
gctgccgtcc	tacaagtaca	tgccacgatt	gtttctgaga	aactgctgga	cccaagaatt	360	
tactacatta	attcggcagc	ctcgttcttc	gccttcacg	ccacgctgct	ctacattctc	420	
catgccttca	gcattcatta	ccactgatgc	acaggcgcca	ggccaagggg	gaaatgctct	480	
ttgaaagctc	caattattgg	tcccaaaaag	cagcttccaa	cgtttgccat	ctggatgaca	540	
aacggaagat	ccactaaaac	gtccacggga	ttaacagaac	gtccttgcat	actgagcgat	600	



gacaccacac tttgtttgga catttaaatt cactctgctg aataggagga agcttttctt 660  
 ttctctggga aaacaactgt ctcttggaat tatctgacca tgaacttgct cttctagaca 720  
 actcacatca aagccctcac tccactaatg gagaatccta gcccactaa tgccaagtct 780  
 gtttggggat tttgcctcag ctatgggctt ccctagagta ggtctagggg aatactcagt 840  
 ctgatctttt ttttgtttgt tttattttgt tttttttgag acggagtctc gctcttcttc 900  
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 gccattctcc tgcctcagcc tcccagtag ccgggactac aggcgcccac caccatgccc 1020  
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 tgagccaccg tgcccggcct gattctctta aaattgaaga ggtgctgcca aggccttcag 1200  
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 ggaaccgcgc tgcgccacct gcactcacc cctcacatt ctcttaagca cccggtggcc 1740  
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 acgggcaaaag ttgtgcacac taaaatatca aatcaagggt cttggtttta aagtaaatgt 1860  
 ttttctaaag aaagctgtgt tcttctgttg accagacga atagggcaca gccctgtaac 1920  
 tgcacgtgcc ttctgtcatt ggggaatgaaa taaattatta cgagaaaggg acttgctcta 1980  
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 caggacaga actacaggag tcatgggaaa gaaaattctg gcttcactac tgctcactgc 2100  
 tcactttctg atcactctga tacttttttt ttttttttt ttttgcaacc tgataccttg 2160  
 aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220  
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<210> 322

<211> 1398

<212> DNA

<213> Homo sapiens

<400> 322

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 ctaacccaaa ggaattgaaa ggaaccactc attcatttct agacgacaaa atgcaaaaaa 180  
 ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atccacatc 240  
 tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300  
 aatgggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtctttggaa 360  
 gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420  
 ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480  
 tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540  
 agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600  
 ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660  
 atgacctgca ggctaatagc ctaaaagtgc tgggtccctgg ctgaaggga ttaacagata 720  
 gtatcaaggc acgaaggaa gtgccagtat ggctccctgg gtgaacagct tggccttttt 780  
 tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttaa 840  
 ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900  
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<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens
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<210> 324
<211> 200
<212> PRT
<213> Homo sapiens
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<400> 324
Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
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Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
          20                      25                      30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg

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	35						40						45						
Trp	Lys	Thr	Val	Ser	Gly	Lys	Glu	Lys	Ser	Lys	Phe	Asp	Glu	Met	Ala				
	50					55					60								
Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg	Glu	Met	Lys	Asp	Tyr	Gly	Pro				
	65				70					75					80				
Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp	Pro	Asn	Ala	Pro	Lys	Arg	Pro				
				85					90					95					
Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser	Glu	Phe	Arg	Pro	Lys	Ile	Lys				
			100					105					110						
Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly	Asp	Val	Ala	Lys	Lys	Leu	Gly				
		115					120					125							
Glu	Met	Trp	Asn	Asn	Leu	Asn	Asp	Ser	Glu	Lys	Gln	Pro	Tyr	Ile	Thr				
	130					135					140								
Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	Glu	Lys	Asp	Val	Ala	Asp	Tyr				
	145			150						155					160				
Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	Lys	Gly	Pro	Ala	Lys	Val	Ala				
				165					170					175					
Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	Glu	Gln	Glu	Glu	Glu	Glu	Glu				
			180					185						190					
Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu												
	195					200													
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<211>	263																		
<212>	PRT																		
<213>	Homo sapiens																		
<400>	325																		
Met	Phe	Arg	Asn	Gln	Tyr	Asp	Asn	Asp	Val	Thr	Val	Trp	Ser	Pro	Gln				
			5						10					15					
Gly	Arg	Ile	His	Gln	Ile	Glu	Tyr	Ala	Met	Glu	Ala	Val	Lys	Gln	Gly				
			20					25					30						
Ser	Ala	Thr	Val	Gly	Leu	Lys	Ser	Lys	Thr	His	Ala	Val	Leu	Val	Ala				
		35					40					45							
Leu	Lys	Arg	Ala	Gln	Ser	Glu	Leu	Ala	Ala	His	Gln	Lys	Lys	Ile	Leu				
	50					55					60								



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<400> 326
Met  Pro  Glu  Asn  Val  Ala  Pro  Arg  Ser  Gly  Ala  Thr  Ala  Gly  Ala  Ala
      5              10              15
Gly  Gly  Arg  Gly  Lys  Gly  Ala  Tyr  Gln  Asp  Arg  Asp  Lys  Pro  Ala  Gln
      20              25              30

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Ile	Arg	Phe	Ser	Asn	Ile	Ser	Ala	Ala	Lys	Ala	Val	Ala	Asp	Ala	Ile
35						40						45			
Arg	Thr	Ser	Leu	Gly	Pro	Lys	Gly	Met	Asp	Lys	Met	Ile	Gln	Asp	Gly
50						55						60			
Lys	Gly	Asp	Val	Thr	Ile	Thr	Asn	Asp	Gly	Ala	Thr	Ile	Leu	Lys	Gln
65						70						75			
Met	Gln	Val	Leu	His	Pro	Ala	Ala	Arg	Met	Leu	Val	Glu	Leu	Ser	Lys
			85						90						
Ala	Gln	Asp	Ile	Glu	Ala	Gly	Asp	Gly	Thr	Thr	Ser	Val	Val	Ile	Ile
			100						105						
Ala	Gly	Ser	Leu	Leu	Asp	Ser	Cys	Thr	Lys	Leu	Leu	Gln	Lys	Gly	Ile
115						120						125			
His	Pro	Thr	Ile	Ile	Ser	Glu	Ser	Phe	Gln	Lys	Ala	Leu	Glu	Lys	Gly
130						135						140			
Ile	Glu	Ile	Leu	Thr	Asp	Met	Ser	Arg	Pro	Val	Glu	Leu	Ser	Asp	Arg
145						150						155			
Glu	Thr	Leu	Leu	Asn	Ser	Ala	Thr	Thr	Ser	Leu	Asn	Ser	Lys	Val	Val
			165						170						
Ser	Gln	Tyr	Ser	Ser	Leu	Leu	Ser	Pro	Met	Ser	Val	Asn	Ala	Val	Met
			180						185						
Lys	Val	Ile	Asp	Pro	Ala	Thr	Ala	Thr	Ser	Val	Asp	Leu	Arg	Asp	Ile
195						200						205			
Lys	Ile	Val	Lys	Lys	Leu	Gly	Gly	Thr	Ile	Asp	Asp	Cys	Glu	Leu	Val
210						215						220			
Glu	Gly	Leu	Val	Leu	Thr	Gln	Lys	Val	Ser	Asn	Ser	Gly	Ile	Thr	Arg
225						230						235			
Val	Glu	Lys	Ala	Lys	Ile	Gly	Leu	Ile	Gln	Phe	Cys	Leu	Ser	Ala	Pro
			245						250						
Lys	Thr	Asp	Met	Asp	Asn	Gln	Ile	Val	Val	Ser	Asp	Tyr	Ala	Gln	Met
			260						265						
Asp	Arg	Val	Leu	Arg	Glu	Glu	Arg	Ala	Tyr	Ile	Leu	Asn	Leu	Val	Lys
275						280						285			
Gln	Ile	Lys	Lys	Thr	Gly	Cys	Asn	Val	Leu	Leu	Ile	Gln	Lys	Ser	Ile
290						295						300			



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<210> 327
<211> 144
<212> PRT
<213> Homo sapiens
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Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu  
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Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp  
20 25 30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu  
35 40 45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val  
50 55 60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro  
65 70 75 80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser  
85 90 95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu  
100 105 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu  
115 120 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser  
130 135 140

<213> Homo sapiens

Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe  
5 10 15

Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile  
20 25 30

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly  
35 40 45

Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile  
50 55 60

Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg  
65 70 75 80



Pro	Cys	Lys	Ser	Leu	Val	Lys	Trp	Glu	Ser	Glu	Asn	Lys	Met	Val	Cys
				85					90					95	
Glu	Gln	Lys	Leu	Leu	Lys	Gly	Glu	Gly	Pro	Lys	Thr	Ser	Trp	Thr	Arg
			100					105					110		
Glu	Leu	Thr	Asn	Asp	Gly	Glu	Leu	Ile	Leu	Thr	Met	Thr	Ala	Asp	Asp
		115					120					125			
Val	Val	Cys	Thr	Arg	Val	Tyr	Val	Arg	Glu						
	130					135									
<210> 329															
<211> 346															
<212> PRT															
<213> Homo sapiens															
<400> 329															
Met	Phe	Leu	Ser	Ile	Leu	Val	Ala	Leu	Cys	Leu	Trp	Leu	His	Leu	Ala
				5					10					15	
Leu	Gly	Val	Arg	Gly	Ala	Pro	Cys	Glu	Ala	Val	Arg	Ile	Pro	Met	Cys
			20					25					30		
Arg	His	Met	Pro	Trp	Asn	Ile	Thr	Arg	Met	Pro	Asn	His	Leu	His	His
		35					40					45			
Ser	Thr	Gln	Glu	Asn	Ala	Ile	Leu	Ala	Ile	Glu	Gln	Tyr	Glu	Glu	Leu
	50					55					60				
Val	Asp	Val	Asn	Cys	Ser	Ala	Val	Leu	Arg	Phe	Phe	Phe	Cys	Ala	Met
65					70					75					80
Tyr	Ala	Pro	Ile	Cys	Thr	Leu	Glu	Phe	Leu	His	Asp	Pro	Ile	Lys	Pro
				85					90					95	
Cys	Lys	Ser	Val	Cys	Gln	Arg	Ala	Arg	Asp	Asp	Cys	Glu	Pro	Leu	Met
			100					105					110		
Lys	Met	Tyr	Asn	His	Ser	Trp	Pro	Glu	Ser	Leu	Ala	Cys	Asp	Glu	Leu
		115					120					125			
Pro	Val	Tyr	Asp	Arg	Gly	Val	Cys	Ile	Ser	Pro	Glu	Ala	Ile	Val	Thr
	130					135						140			
Asp	Leu	Pro	Glu	Asp	Val	Lys	Trp	Ile	Asp	Ile	Thr	Pro	Asp	Met	Met
145					150					155					160
Val	Gln	Glu	Arg	Pro	Leu	Asp	Val	Asp	Cys	Lys	Arg	Leu	Ser	Pro	Asp
				165					170					175	



Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser  
180 185 190

Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg  
195 200 205

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe  
210 215 220

Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn  
225 230 235 240

Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile  
245 250 255

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu  
260 265 270

Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu  
275 280 285

Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Lys Thr  
290 295 300

Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro  
305 310 315 320

Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser  
325 330 335

Ala Gln Lys Arg Thr Asn Pro Lys Arg Val  
340 345

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu  
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Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys  
20 25 30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His  
35 40 45

Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile



50					55					60					
Ser 65	Tyr	Leu	Arg	Val	Arg 70	Lys	Leu	Leu	Asp	Ala 75	Gly	Asp	Leu	Asp	Ile 80
Glu	Asp	Asp	Met	Lys 85	Ala	Gln	Met	Asn	Cys 90	Phe	Tyr	Leu	Lys	Ala 95	Leu
Asp	Gly	Phe	Val 100	Met	Val	Leu	Thr	Asp 105	Asp	Gly	Asp	Met	Ile 110	Tyr	Ile
Ser	Asp	Asn 115	Val	Asn	Lys	Tyr	Met 120	Gly	Leu	Thr	Gln	Phe 125	Glu	Leu	Thr
Gly	His 130	Ser	Val	Phe	Asp	Phe 135	Thr	His	Pro	Cys	Asp 140	His	Glu	Glu	Met
Arg 145	Glu	Met	Leu	Thr	His 150	Arg	Asn	Gly	Leu	Val 155	Lys	Lys	Gly	Lys	Glu 160
Gln	Asn	Thr	Gln	Arg 165	Ser	Phe	Phe	Leu	Arg 170	Met	Lys	Cys	Thr	Leu 175	Thr
Ser	Arg	Gly	Arg 180	Thr	Met	Asn	Ile	Lys 185	Ser	Ala	Thr	Trp	Lys 190	Val	Leu
His	Cys	Thr 195	Gly	His	Ile	His	Val 200	Tyr	Asp	Thr	Asn	Ser 205	Asn	Gln	Pro
Gln	Cys 210	Gly	Tyr	Lys	Lys	Pro 215	Pro	Met	Thr	Cys	Leu 220	Val	Leu	Ile	Cys
Glu 225	Pro	Ile	Pro	His	Pro 230	Ser	Asn	Ile	Glu	Ile 235	Pro	Leu	Asp	Ser	Lys 240
Thr	Phe	Leu	Ser	Arg 245	His	Ser	Leu	Asp	Met 250	Lys	Phe	Ser	Tyr	Cys 255	Asp
Glu	Arg	Ile	Thr 260	Glu	Leu	Met	Gly	Tyr	Glu 265	Pro	Glu	Glu	Leu 270	Leu	Gly
Arg	Ser	Ile 275	Tyr	Glu	Tyr	Tyr	His 280	Ala	Leu	Asp	Ser	Asp 285	His	Leu	Thr
Lys	Thr 290	His	His	Asp	Met	Phe 295	Thr	Lys	Gly	Gln	Val 300	Thr	Thr	Gly	Gln
Tyr 305	Arg	Met	Leu	Ala	Lys 310	Arg	Gly	Gly	Tyr	Val 315	Trp	Val	Glu	Thr	Gln
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val



				325				330				335			
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe
340				345				350							
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp
355				360				365							
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser
370				375				380							
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu
385				390				395				400			
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn
				405				410				415			
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn
				420				425				430			
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu
435				440				445							
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser
450				455				460				465			
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro
465				470				475				480			
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp
				485				490				495			
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu
500				505				510				515			
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val
515				520				525				530			
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr
530				535				540				545			
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu
545				550				555				560			
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser
				565				570				575			
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser
580				585				590				595			
Ala	Ser	Pro	Gln	Ser	Thr	Val	Thr	Val	Phe	Gln	Gln	Thr	Gln	Ile	Gln



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<210> 331
<211> 92
<212> PRT
<213> Homo sapiens
<400> 331
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Met	Ala	Tyr	Arg		Gly	Gln	Gln		Val	Gln	Lys	Val	Met	Val	Gln	
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Pro	Ile	Asn	Leu	Ile	Phe	Arg	Tyr	Leu	Gln	Asn	Arg	Ser	Arg	Ile	Gln	
			20					25					30			
Val	Trp	Leu	Tyr	Glu	Gln	Val	Asn	Met	Arg	Ile	Glu	Gly	Cys	Ile	Ile	
		35					40					45				
Gly	Phe	Asp	Glu	Tyr	Met	Asn	Leu	Val	Leu	Asp	Asp	Ala	Glu	Glu	Ile	
	50					55					60					
His	Ser	Lys	Thr	Lys	Ser	Arg	Lys	Gln	Leu	Gly	Arg	Ile	Met	Leu	Lys	
	65				70					75					80	
Gly	Asp	Asn	Ile	Thr	Leu	Leu	Gln	Ser	Val	Ser	Asn					
				85					90							
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<213> Homo sapiens																
<400> 332																
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				5					10					15		
Thr	Glu	Ala	Ala	Leu	Gly	Asp	Ala	Ala	Gln	Glu	Pro	Thr	Gly	Asn	Asn	
			20					25					30			
Ala	Glu	Ile	Cys	Leu	Leu	Pro	Leu	Asp	Tyr	Gly	Pro	Cys	Arg	Ala	Leu	
		35					40					45				
Leu	Leu	Arg	Tyr	Tyr	Tyr	Asp	Arg	Tyr	Thr	Gln	Ser	Cys	Arg	Gln	Phe	
	50					55					60					
Leu	Tyr	Gly	Gly	Cys	Glu	Gly	Asn	Ala	Asn	Asn	Phe	Tyr	Thr	Trp	Glu	
	65				70					75					80	
Ala	Cys	Asp	Asp	Ala	Cys	Trp	Arg	Ile	Glu	Lys	Val	Pro	Lys	Val	Cys	
				85					90					95		
Arg	Leu	Gln	Val	Ser	Val	Asp	Asp	Gln	Cys	Glu	Gly	Ser	Thr	Glu	Lys	
			100					105					110			
Tyr	Phe	Phe	Asn	Leu	Ser	Ser	Met	Thr	Cys	Glu	Lys	Phe	Phe	Ser	Gly	
		115					120					125				
Gly	Cys	His	Arg	Asn	Arg	Ile	Glu	Asn	Arg	Phe	Pro	Asp	Glu	Ala	Thr	
	130					135					140					



Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg  
130 135 140



Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp



65				70				75				80			
Asp	Val	Pro	Glu	Tyr	Lys	Asp	Arg	Leu	Asn	Leu	Ser	Glu	Asn	Tyr	Thr
				85				90				95			
Leu	Ser	Ile	Ser	Asn	Ala	Arg	Ile	Ser	Asp	Glu	Lys	Arg	Phe	Val	Cys
				100				105				110			
Met	Leu	Val	Thr	Glu	Asp	Asn	Val	Phe	Glu	Ala	Pro	Thr	Ile	Val	Lys
				115				120				125			
Val	Phe	Lys	Gln	Pro	Ser	Lys	Pro	Glu	Ile	Val	Ser	Lys	Ala	Leu	Phe
				130				135				140			
Leu	Glu	Thr	Glu	Gln	Leu	Lys	Lys	Leu	Gly	Asp	Cys	Ile	Ser	Glu	Asp
145				150				155				160			
Ser	Tyr	Pro	Asp	Gly	Asn	Ile	Thr	Trp	Tyr	Arg	Asn	Gly	Lys	Val	Leu
				165				170				175			
His	Pro	Leu	Glu	Gly	Ala	Val	Val	Ile	Ile	Phe	Lys	Lys	Glu	Met	Asp
				180				185				190			
Pro	Val	Thr	Gln	Leu	Tyr	Thr	Met	Thr	Ser	Thr	Leu	Glu	Tyr	Lys	Thr
				195				200				205			
Thr	Lys	Ala	Asp	Ile	Gln	Met	Pro	Phe	Thr	Cys	Ser	Val	Thr	Tyr	Tyr
				210				215				220			
Gly	Pro	Ser	Gly	Gln	Lys	Thr	Ile	His	Ser	Glu	Gln	Ala	Val	Phe	Asp
225				230				235				240			
Ile	Tyr	Tyr	Pro	Thr	Glu	Gln	Val	Thr	Ile	Gln	Val	Leu	Pro	Pro	Lys
				245				250				255			
Asn	Ala	Ile	Lys	Glu	Gly	Asp	Asn	Ile	Thr	Leu	Lys	Cys	Leu	Gly	Asn
				260				265				270			
Gly	Asn	Pro	Pro	Pro	Glu	Glu	Phe	Leu	Phe	Tyr	Leu	Pro	Gly	Gln	Pro
				275				280				285			
Glu	Gly	Ile	Arg	Ser	Ser	Asn	Thr	Tyr	Thr	Leu	Thr	Asp	Val	Arg	Arg
				290				295				300			
Asn	Ala	Thr	Gly	Asp	Tyr	Lys	Cys	Ser	Leu	Ile	Asp	Lys	Lys	Ser	Met
305				310				315				320			
Ile	Ala	Ser	Thr	Ala	Ile	Thr	Val	His	Tyr	Leu	Asp	Leu	Ser	Leu	Asn
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<400> 335

Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile  
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Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn  
35 40 45

Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr  
50 55 60

Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro  
65 70 75 80

Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys  
85 90 95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln  
100 105 110

Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala  
115 120 125

Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln  
130 135 140

Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile  
145 150 155 160

Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly  
165 170 175

Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met  
180 185 190

Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro  
195 200 205

Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His  
210 215 220

Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala  
225 230 235 240

Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu  
245 250 255



Gly	Ala	Glu	Ile	Val	Val	Cys	Thr	Pro	Gly	Arg	Leu	Ile	Asp	His	Val
			260				265						270		
Lys	Lys	Lys	Ala	Thr	Asn	Leu	Gln	Arg	Val	Ser	Tyr	Leu	Val	Phe	Asp
			275				280				285				
Glu	Ala	Asp	Arg	Met	Phe	Asp	Met	Gly	Phe	Glu	Tyr	Gln	Val	Arg	Ser
			290				295				300				
Ile	Ala	Ser	His	Val	Arg	Pro	Asp	Arg	Gln	Thr	Leu	Leu	Phe	Ser	Ala
305						310				315			320		
Thr	Phe	Arg	Lys	Lys	Ile	Glu	Lys	Leu	Ala	Arg	Asp	Ile	Leu	Ile	Asp
			325						330			335			
Pro	Ile	Arg	Val	Val	Gln	Gly	Asp	Ile	Gly	Glu	Ala	Asn	Glu	Asp	Val
			340						345			350			
Thr	Gln	Ile	Val	Glu	Ile	Leu	His	Ser	Gly	Pro	Ser	Lys	Trp	Asn	Trp
			355			360						365			
Leu	Thr	Arg	Arg	Leu	Val	Glu	Phe	Thr	Ser	Ser	Gly	Ser	Val	Leu	Leu
370						375						380			
Phe	Val	Thr	Lys	Lys	Ala	Asn	Ala	Glu	Glu	Leu	Ala	Asn	Asn	Leu	Lys
385						390						395			
Gln	Glu	Gly	His	Asn	Leu	Gly	Leu	Leu	His	Gly	Asp	Met	Asp	Gln	Ser
			405						410			415			
Glu	Arg	Asn	Lys	Val	Ile	Ser	Asp	Phe	Lys	Lys	Lys	Asp	Ile	Pro	Val
			420						425			430			
Leu	Val	Ala	Thr	Asp	Val	Ala	Ala	Arg	Gly	Leu	Asp	Ile	Pro	Ser	Ile
			435			440						445			
Lys	Thr	Val	Ile	Asn	Tyr	Asp	Val	Ala	Arg	Asp	Ile	Asp	Thr	His	Thr
450						455						460			
His	Arg	Ile	Gly	Arg	Thr	Gly	Arg	Ala	Gly	Glu	Lys	Gly	Val	Ala	Tyr
465						470						475			
Thr	Leu	Leu	Thr	Pro	Lys	Asp	Ser	Asn	Phe	Ala	Gly	Asp	Leu	Val	Arg
			485						490			495			
Asn	Leu	Glu	Gly	Ala	Asn	Gln	His	Val	Ser	Lys	Glu	Leu	Leu	Asp	Leu
			500						505			510			
Ala	Met	Gln	Asn	Ala	Trp	Phe	Arg	Lys	Ser	Arg	Phe	Lys	Gly	Gly	Lys
			515						520			525			



Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg  
35 40 45



Gln	Tyr	Ser	Gly	Tyr	Leu	Lys	Ser	Ser	Gly	Ser	Lys	His	Leu	His	Tyr
50						55					60				
Trp	Phe	Val	Glu	Ser	Gln	Lys	Asp	Pro	Glu	Asn	Ser	Pro	Val	Val	Leu
65					70					75					80
Trp	Leu	Asn	Gly	Gly	Pro	Gly	Cys	Ser	Ser	Leu	Asp	Gly	Leu	Leu	Thr
				85					90					95	
Glu	His	Gly	Pro	Phe	Leu	Val	Gln	Pro	Asp	Gly	Val	Thr	Leu	Glu	Tyr
			100					105					110		
Asn	Pro	Tyr	Ser	Trp	Asn	Leu	Ile	Ala	Asn	Val	Leu	Tyr	Leu	Glu	Ser
		115					120					125			
Pro	Ala	Gly	Val	Gly	Phe	Ser	Tyr	Ser	Asp	Asp	Lys	Phe	Tyr	Ala	Thr
	130					135					140				
Asn	Asp	Thr	Glu	Val	Ala	Gln	Ser	Asn	Phe	Glu	Ala	Leu	Gln	Asp	Phe
145					150					155					160
Phe	Arg	Leu	Phe	Pro	Glu	Tyr	Lys	Asn	Asn	Lys	Leu	Phe	Leu	Thr	Gly
				165					170					175	
Glu	Ser	Tyr	Ala	Gly	Ile	Tyr	Ile	Pro	Thr	Leu	Ala	Val	Leu	Val	Met
			180					185					190		
Gln	Asp	Pro	Ser	Met	Asn	Leu	Gln	Gly	Leu	Ala	Val	Gly	Asn	Gly	Leu
		195					200					205			
Ser	Ser	Tyr	Glu	Gln	Asn	Asp	Asn	Ser	Leu	Val	Tyr	Phe	Ala	Tyr	Tyr
		210				215					220				
His	Gly	Leu	Leu	Gly	Asn	Arg	Leu	Trp	Ser	Ser	Leu	Gln	Thr	His	Cys
225					230					235					240
Cys	Ser	Gln	Asn	Lys	Cys	Asn	Phe	Tyr	Asp	Asn	Lys	Asp	Leu	Glu	Cys
				245					250					255	
Val	Thr	Asn	Leu	Gln	Glu	Val	Ala	Arg	Ile	Val	Gly	Asn	Ser	Gly	Leu
			260					265					270		
Asn	Ile	Tyr	Asn	Leu	Tyr	Ala	Pro	Cys	Ala	Gly	Gly	Val	Pro	Ser	His
		275					280					285			
Phe	Arg	Tyr	Glu	Lys	Asp	Thr	Val	Val	Val	Gln	Asp	Leu	Gly	Asn	Ile
		290				295					300				
Phe	Thr	Arg	Leu	Pro	Leu	Lys	Arg	Met	Trp	His	Gln	Ala	Leu	Leu	Arg
305					310					315					320



Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser



65				70				75				80				
Ser	Ser	Ser	Ser	Thr	Phe	Asn	Pro	Gln	Ala	Asp	Thr	Gly	Glu	Gln	Pro	
				85					90					95		
Tyr	Glu	His	Leu	Thr	Ala	Glu	Ser	Phe	Pro	Asp	Ile	Ser	Leu	Asn	Asn	
				100					105					110		
Glu	Lys	Val	Leu	Val	Glu	Thr	Ser	Tyr	Pro	Ser	Gln	Thr	Thr	Arg	Leu	
				115					120					125		
Pro	Pro	Ile	Thr	Tyr	Thr	Gly	Arg	Phe	Ser	Leu	Glu	Pro	Ala	Pro	Asn	
				130					135					140		
Ser	Gly	Asn	Thr	Leu	Trp	Pro	Glu	Pro	Leu	Phe	Ser	Leu	Val	Ser	Gly	
145					150					155					160	
Leu	Val	Ser	Met	Thr	Asn	Pro	Pro	Ala	Ser	Ser	Ser	Ser	Ala	Pro	Ser	
				165					170					175		
Pro	Ala	Ala	Ser	Ser	Ala	Ser	Ala	Ser	Gln	Ser	Pro	Pro	Leu	Ser	Cys	
				180					185					190		
Ala	Val	Pro	Ser	Asn	Asp	Ser	Ser	Pro	Ile	Tyr	Ser	Ala	Ala	Pro	Thr	
				195					200					205		
Phe	Pro	Thr	Pro	Asn	Thr	Asp	Ile	Phe	Pro	Glu	Pro	Gln	Ser	Gln	Ala	
				210					215					220		
Phe	Pro	Gly	Ser	Ala	Gly	Thr	Ala	Leu	Gln	Tyr	Pro	Pro	Pro	Ala	Tyr	
225					230					235					240	
Pro	Ala	Ala	Lys	Gly	Gly	Phe	Gln	Val	Pro	Met	Ile	Pro	Asp	Tyr	Leu	
				245					250					255		
Phe	Pro	Gln	Gln	Gln	Gly	Asp	Leu	Gly	Leu	Gly	Thr	Pro	Asp	Gln	Lys	
				260					265					270		
Pro	Phe	Gln	Gly	Leu	Glu	Ser	Arg	Thr	Gln	Gln	Pro	Ser	Leu	Thr	Pro	
				275					280					285		
Leu	Ser	Thr	Ile	Lys	Ala	Phe	Ala	Thr	Gln	Ser	Gly	Ser	Gln	Asp	Leu	
				290					295					300		
Lys	Ala	Leu	Asn	Thr	Ser	Tyr	Gln	Ser	Gln	Leu	Ile	Lys	Pro	Ser	Arg	
305					310					315					320	
Met	Arg	Lys	Tyr	Pro	Asn	Arg	Pro	Ser	Lys	Thr	Pro	Pro	His	Glu	Arg	
				325					330					335		
Pro	Tyr	Ala	Cys	Pro	Val	Glu	Ser	Cys	Asp	Arg	Arg	Phe	Ser	Arg	Ser	



350

Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe  
20 25 30



Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu  
100 105 110



Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala



$\langle 210 \rangle$  341

<212> DNA

$\langle 220 \rangle$

$\langle 222 \rangle$  (1) ... (422)

<400> 341

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caaataagag	aacttagaga	gaagtcggaa	aagtttgcct	tccaagcccg	aagttaacag	120
aatgatgaaa	cttatcatca	attcattgta	taaaaataaa	gagattttcc	tgagagaact	180
gatttcaa	gcttctgatg	ctttagataa	gataaggcta	atatcactga	ctgatgaaaa	240
tgctctttct	ggaaatgagg	aactaacagt	caaaaattaag	tgtgataagg	agaagacctg	300



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<210> 342
<211> 472
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G
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<210> 343
<211> 139
<212> DNA
<213> Homo sapien
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```
<210> 344
<211> 235
<212> DNA
<213> Homo sapien
```

```
<210> 345
<211> 458
<212> DNA
<213> Homo sapien
```

<400> 345



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<210> 346
<211> 525
<212> DNA
<213> Homo sapien
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<400> 346							
gcaca	acgcctcacc	atggactgga	cctggaggat	nntcttnnng	gtggcagcag		60
ggtgt	ccactcccaa	gccaacttg	tgcagtctgg	ggctgaggag	aagaagcctg		120
tcagt	gactatttct	tgtaaaggctt	ctggatatat	ncttactaaa	tatactttac		180
gtgcg	ccaggccccc	cccggaacaa	gacctgaatg	ggtgggatgg	atcaacactg		240
gatac	cgtaaataat	tcacagaagt	ttcaggacag	agtctccatt	acctgggact		300
gcgac	cacagnctac	ctgnanntga	gtagcctgga	atccgaagac	acggctgtgt		360
gtgct	gagacttang	gcccgttcgc	tgtgggtgga	cttaatgacg	cttttgacat		420
gccaa	gggacagtgg	tcaccgtctc	ttcanggagt	gcattcgccc	caaccctttt		480
ctctc	cctgtgaaga	attccccgnc	ggatacgagc	agcgt			525

```
<210> 347
<211> 423
<212> DNA
<213> Homo sapien
```

```
<210> 348
<211> 513
<212> DNA
<213> Homo sapien
```



```
<210> 349
<211> 231
<212> DNA
<213> Homo sapien
```

```
<210> 350
<211> 341
<212> DNA
<213> Homo sapien
```

```
<210> 351
<211> 256
<212> DNA
<213> Homo sapien
```

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<210> 352
<211> 368
<212> DNA
<213> Homo sapien
```



<400> 352

<210> 353

<211> 368

<212> DNA

<213> Homo sapien

<400.> 353

<210> 354

<211> 380

<212> DNA

<213> Homo sapien

<400> 354

<210> 355

<211> 347

<212> DNA

<213> Homo sapien

<400> 355

ccagtgagg	ggtgggggta	tcgatccgc	cgggggctgg	cttggttgct	ggtgccctga	60
gcccttctct	gcccgcctgg	gtgttgctt	cactgatgga	ggtaggcgct	cagccagatg	120
tcaccaagact	tcttcgggga	cctgacgatg	tccaccagcg	cggtgaggaa	gggcttcact	180



<400> 359  
ctgccaggct gaaaaaqaagc ctcagctccc acaccgccct ctcacccgcc ctctcteggc 60



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<210> 360
<211> 289
<212> DNA
<213> Homo sapien
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```
<210> 361
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 362
<211> 496
<212> DNA
<213> Homo sapien
```

<400>	362						
ccagtttcta	aaanaatgca	catttaaaga	gaagcatcta	ccacggcttt	aaaacaaaac		60
aactctgaga	tgaacaatat	gtgttatact	cagagattaa	caatctcaat	catacatact		120
gattctttca	gacattttaat	aaccactaca	tttttttgca	ttaatgaagt	ttgactatat		180
gtgtaaaggg	actaaatatt	tttgcaacag	cctgttcttt	gttcattctt	ttctggatag		240
cgtgtcctct	gtattgcggt	agatttatac	attctgttgc	ctaaatatgt	gtgtaaaatg		300



```
<210> 363
<211> 673
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G
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```
<210> 364
<211> 495
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (495)
<223> n = A,T,C or G
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<210> 365







ctggaggctg	ggtgcaccct	gcccagatcc	acacctgtac	cccggcggaa	aggctcatgg	60
gcattgaaga	cggtggtgaa	aaagccaaag	ggaaaaaacac	caacacccaaa	tgagaagtgg	120



aagcccccg taccacaaa tggctggaat cccctctgc tctccggagc tggctctctgg 180  
 ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca 240  
 taaagcggga caaccttctc tctgctgac ccagctttac atactggaca ctcttgccgt 300  
 tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373  
 <211> 467  
 <212> DNA  
 <213> Homo sapien

<400> 373  
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 gctaagttga cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc 120  
 tgagagcatc caccacagga aggactttac cttccaggag ctccaaactg gcaccacccc 180  
 cagtgtcac atggctgact ttatcctcgg tgttccattt ggcacagcaa gtggcagtgt 240  
 ctccaccacc tatgatggtg atgcagcccc tagaagtggc tttcaccacc tcatccatga 300  
 gagctttggt tccccgggca aaagcttccc attcaaatac cccacagga ccattccaca 360  
 caatctgctt agcccgagtg acagcctcag catacttctt gctgctttca ggaccacagt 420  
 ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374  
 <211> 284  
 <212> DNA  
 <213> Homo sapien

<400> 374  
 tttccgtaaa agcgtgtaac aagggtgtaa atatttataa ttttttatac ctgttgtag 60  
 acccgagggg cgggcgccg gttttttatg gtgacacaaa tgtatatttt gctaacagca 120  
 attccaggct cagtattgtg acccgggagc cacaggggac cccacgcaca ttccggttgc 180  
 ttacccgatg gcttgtagcg cggagagaac cgattaaaac cgtttgagaa actcctccct 240  
 tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg 284

<210> 375  
 <211> 307  
 <212> DNA  
 <213> Homo sapien

<400> 375  
 cctactcttc tccgtccatt gtactatctg cccgtgggtg ggatggcagt aggatcatat 60  
 ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg 120  
 tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag 180  
 tggacaataa cacatggaat aataccata tttctcgagt agggcaggca atggcgcca 240  
 cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300  
 ttggagg 307

<210> 376  
 <211> 650  
 <212> DNA  
 <213> Homo sapien

<220>



<400> 376

<210> 377

<212> DNA

$\langle 220 \rangle$

<222> (1) ... (306)

<400> 377

<210> 378

<2.12> DNA

$\langle 220 \rangle$

<222> (1) ... (199)

<400> 378

ccacangtgg	cacttgggtg	tggctcctct	gttatttgtc	ctcatgtgag	aaagcagatc	60
atctccaaat	cttgccattt	gtatactttt	ggtggagact	tggatgtcat	atcttctttg	120
ttttgggttt	tcttccctag	cttattttgt	ggctttttaa	gaagtggatt	gtattgtgag	180
atccttgtat	tcttgggtgg					199



440

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<210> 380
<211> 555
<212> DNA
<213> Homo sapien
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<210> 381
<211> 406
<212> DNA
<213> Homo sapien
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<210> 382
<211> 528
<212> DNA
<213> Homo sapien
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<400> 382

<210> 383

<212> DNA

<213> Hom

$\langle 220 \rangle$

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$\langle 222 \rangle$  (1) ... (335)

<223> n = A, T, C or G

<400> 383

<210> 384

<211> 333

<212> DNA

<213> Homo sapien

<400> 384

<210> 385

<211> 343

<212> DNA







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<210> 389
<211> 297
<212> DNA
<213> Homo sapien
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```
<210> 390
<211> 223
<212> DNA
<213> Homo sapien
```

```
<210> 391
<211> 365
<212> DNA
<213> Homo sapien
```

```
<210> 392
<211> 302
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc feature
```



<400> 392

<210> 393

<211> 213

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

```
<221> misc_feature
```

 $\langle 222 \rangle \quad (1) \dots (213)$ 

<223> n = A, T, C or G

<400> 393

<210> 394

<211> 334

<212> DNA

<213> Homo sapien

<400> 394

<210> 395

<211> 174

<212> DNA

<213> Homo sapien

<400> 395

<210> 396



```
<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G
```

```
<210> 397
<211> 318
<212> DNA
<213> Homo sapien
```

```
<210> 398
<211> 517
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(517)  
<223> n = A,T,C or G
```

<210>	399
<211>	329
<212>	DNA



$\langle 211 \rangle$  440



```
<220>  
<221> misc_feature  
<222> (1)...(641)  
<223> n = A,T,C or G
```



ctgctcccg	gcntgggtggc	agcaagtaga	catcgggcct	gtgcagggcc	accccttgg	60
gccgggagat	ggctctgcttc	agtggcgagg	gcaggctctgt	gtgggtcacg	gtgcacgtga	120
acctctcccc	ggaattccag	tcactctcgc	agatgctggc	ctcaccacg	gcgctgaaag	180
tggcattggg	gtggctctcg	gagatgttgg	tgtgggtttt	cacagcttcg	ccattctggc	240
gggtccagga	gatggtcacg	ctgtcatagg	tggtcaggtc	tgtgaccagg	cagggtcaact	300
tgggtggactt	ggtgaggaag	atgctggcaa	aggatggggg	gatggcgaag	acccggatgg	360
ctgtgtcttg	atcggggaca	cacatggagg	acgcattctg	ctggaaggtc	aggccctgt	420
gatccacgcg	gcaggatgaac	atgctctggc	tgagccagtc	gctctctttg	atggtcagtg	480
tgctggtcac	cttgtaggtc	gtgggcccg	actctttggc	ctcagcctgc	acctggtccg	540
tggtgacgcc	agacccacc	tgcttccct	cgcgcagcca	ggacacctga	atctgccggg	600
gactgaaacc	cgtggcctgg	cagatgagct	tggacttgcg	g		641

<213> Homo sapien

```
ccagggtactg gcacaatcat gtctggatgg ggggtggtggt gtctctgtagg cagagaaaca      60
ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct      120
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag          173
```

<213> Homo sapien

```
ccactgtctg cagccatggc agaaagtgtc caaagtccag caccttcaca ttcattctcat    60
cactcttggg gttccccagg accttgagca cctcggcggt ggtagggttc tggcccaggg    120
ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac    165
```

<213> Homo sapien

ctgtagcttc	tgtgggactt	ccactgctca	ggcgtcaggc	tcagatagct	gctggccgcg	60
tacttgttgt	tgctttgttt	ggaggggtgtg	gtggtctcca	ctccgcctt	gacggggctg	120
ctatctgcct	tccaggccac	tgtcacggct	cccgggtaga	agtcacctat	gagacacacc	180
agtgtggcct	tgttggcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgaccaag	gacggtcagc	ttggtccctc	cgccaaatac	cgccggataa	300
gcaccactgt	tgtctgctga	ttgacagaa				329

<213> Homo sapien



$\langle 400 \rangle$  410

<210> 411

<212> DNA

<400> 411

<210> 412

<212> DNA

$\langle 220 \rangle$

 $\langle 222 \rangle \quad (1) \dots (433)$ 

<400> 412

<210> 413

<212> DNA

$\langle 220 \rangle$

$\langle 222 \rangle$  (1) ... (494)



<400> 413

<210> 414

<211> 294

<212> DNA

<213> Homo sapien

<400> 414

<210> 415

$\langle 211 \rangle$  421

<212> DNA

<213> Homo sapien

<400> 415

<210> 416

<211> 342

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

$$\langle 222 \rangle \quad (1) \dots (342)$$

<223> n = A, T, C or G

<400> 416



ccactttctt tcccacnctg gaaggcggca tctatgactt cattggggag ttcataaagg 60  
 ccagcgtgga tgtggcagac ctgataggct taaaccttgt catgtcccgg aatgccggca 120  
 agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180  
 cccgctgcac tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240  
 agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct 300  
 ggatgataac acgctatgat ctgtaccaca ctttccggcc gg 342

<210> 417  
 <211> 389  
 <212> DNA  
 <213> Homo sapien

<400> 417  
 tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgctc 60  
 agagcaaaca cagatcgag gtagccctgg agctgaggaa tagctttgat ttttggtaaa 120  
 atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct 180  
 ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg 240  
 aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttggttgaa 300  
 gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt 360  
 ccagtcacaa gtaataagcc actagccag 389

<210> 418  
 <211> 343  
 <212> DNA  
 <213> Homo sapien

<400> 418  
 gtgggagggga gccaggttg gtagggaggga gtttacagga agcagacagg gccaacgtcg 60  
 aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120  
 cgggaggtct tgggtggttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc 180  
 gtgcagccat cgacagtgac gctgtaggtg aagcggctgt tgccctcggc gcggatctcg 240  
 atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtcgt ctggtccatg 300  
 taggccacgc tgtttttgca gtggtaggtg atgttctggg agg 343

<210> 419  
 <211> 255  
 <212> DNA  
 <213> Homo sapien

<400> 419  
 cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60  
 cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120  
 tcagtgaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa 180  
 caaatgattt cgtaggatag cacagtgaca tgggtgactg tgaacctgag gccactgtgt 240  
 caaactgtgc actgg 255

<210> 420  
 <211> 261  
 <212> DNA  
 <213> Homo sapien



&lt;400&gt; 420

cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag ggggtataaac	60
cccacatgca agaagaaccc ttgccccag tgtcaaattg gatggggatg ctagagttat	120
agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccct	180
gttctccagc tcccaaattg gctcactttc ccagcttctt catccgttca tcaatgctgg	240
caaagttccc ctcaactgtg g	261

&lt;210&gt; 421

&lt;211&gt; 179

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 421

ccttctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa	60
tacctttctt cagatctgac tgctccaaaa tgattctgca tcttgatttg agacatcaat	120
tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag	179

&lt;210&gt; 422

&lt;211&gt; 424

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 422

cgagggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg	60
ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga	120
aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta	180
ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac	240
ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag yggcccagt	300
ctaaacgacg gtataaaaaa cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt	360
ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca	420
gagg	424

&lt;210&gt; 423

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 423

ctgtggccta gggctacctc aagactcacc tcatecttac cgcacattta aggcgccatt	60
gcttttggga gactggaaaa gggaagggtga ctgaaggctg tcaggattct tcaaggagaa	120
tgaatactgg gaatcaagac aagactatac cttatccata ggcgcagggtg cacaggggga	180
ggccataaag atcaaacatg catggatggg tcttcacgca gacacacca cagaaggaca	240
ctagcctgtg cacgcg	256

&lt;210&gt; 424

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 424

ccagccgcat gggagtggag gcagtcacg ccttgctaga ggccaccccg gacaccccg	60
---	----



```
<210> 425
<211> 333
<212> DNA
<213> Homo sapien
```

<400> 425

```
<210> 426
<211> 411
<212> DNA
<213> Homo sapien
```

<400> 426

```
<210> 427
<211> 450
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(450)
```



<400> 427

<210> 428

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (377)$ 

<223> n = A, T, C or G

<400> 428

cagggctata	gtgcgctatg	ttgatctggt	gttcagtcta	agttccgcat	caatatgggtg	60
acttcttggg	agtgggggac	caccaggttg	cctaaggagg	ggtgaacctg	cctacgttgg	120
aaatagagct	ggncaaaaact	cctgtgctca	tcagtagtag	aattgcacct	gtgaatagcc	180
nccgccctcc	agcatgggca	acataacaag	accctgcctc	ttaaagataa	aaattggaaa	240
acactngtag	gaaaaaaaaagg	gtgnttggtc	taaataaatn	tggattgggn	ataaatgacn	300
caaaactatc	atgaatttga	aagcntttct	aatttcttga	aagtctgaaa	aaagttaaan	360
cncaatttta	tctnaaa					377

<210> 429

<211> 206

<212> DNA

<213> Homo sapien

<400> 429

gttgctctc	caaagaaggt	tggcttcaag	gccgtgtcca	gggaccacg	agcagaggca	60
ctggggggca	agggatctcc	aaggggggca	gggatcccta	aagggggtag	ctcacagggtg	120
aggggggttta	gggcccctct	agggagcgcc	tgaggccata	cattcaagag	tgtccctgggt	180
gaggcccagg	gaagagccag	gactgg				206

 $\langle 210 \rangle$  430

<211> 473

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (473)$ 

$\langle 223 \rangle$  n = A, T, C or G



ccttatttnt	cttgtccttt	cgtacagggg	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gactttaatc	gttgaacaaa	cgaaccttta	120
atagcggctg	caccatcggg	atgtcctgat	ccaacatcga	ggtcgtaaac	cctattgttg	180
atatggactc	tagaatagga	ttgcgctggt	atccctaggg	taacttgttc	cgttgggtcaa	240
gttattggat	caattgagta	tagtagttcg	ccttgactgg	tgaagtctta	gcatgtactg	300
ctcggagggt	gggttctgct	ccgaggtcnc	cccancegaa	atttttaatg	cagggttggt	360
agntnaggac	ctgtgggttt	gttaggtact	gggtgcatta	ataaattaaa	gctccatagg	420
gtcttctcgt	cttgcctgtg	tatgccncnc	tcttcacggg	cagggtcaatt	tca	473

<211> 215

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (215)$ 

<223> n = A, T, C or G

<400> 431

cctgtatnaa	gctanaaaaa	gactaccagc	cgggcatcac	cttcacgtg	gtgcagaaga	60
ggcaccacac	cgggctcttc	tgcactgaca	agaacgagcg	ggttgggaaa	agtggaaaca	120
ttccagcagg	cacgactgtg	gacacgaaaa	tcaccacccc	caccgagttc	gacttctacc	180
tgtgtagtca	cgctggcatc	caggggacaa	gcagg			215

$\langle 210 \rangle$  432

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (391)$ 

<223> n = A, T, C or G

<400> 432

ccagcactgc	cacaaacttt	ttcagggcca	ccaggcgctg	cccttcagg	accgggaacc	60
tgcccacttc	tatccgcagg	atgtagtga	gtgcagattc	caggtcagcc	atgtagatcc	120
tggagcga	tgccaatttc	caaacagtgg	gagctatctt	gttagcagt	gttggtgcaa	180
ctgtggtctg	ggcagcctcc	ctggtgagcc	cagagagtct	ctgcaggtaa	gcggtataga	240
aggacctgga	ttccatgagc	acggggactc	gggagacgga	gccattccgg	aacagcaggt	300
agcaagaggg	gaagtcggtg	acaccaaact	ttctcaccac	attggcctct	gtgttcagca	360
ccctgcgcac	cqccacncct	ttgtgctggg	a			391

<210> 433

<211> 420

<212> DNA

<213> Homo sapien



<400> 433

<210> 434

<211> 239

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

$\langle 222 \rangle$  (1) ... (239)

<223> n = A, T, C or G

<400> 434

<210> 435

<211> 415

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$  (1) ... (415)

<223> n = A, T, C or G

<400> 435

<210> 436

<211> 152



gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg 60



```
<210> 440
<211> 338
<212> DNA
<213> Homo sapien
```

<400> 440						
ccanaaaagac	ttcccagggga	agatgcttgg	ctctctgctc	caaggtgggc	catggtatag	60
ggccctcgaa	gggcttgtgg	ctgggggat	cccagggggc	attgctcaaa	gtgcacagga	120
ggtggcagca	gggtcaggcg	agttctgtt	ccagggacat	caggagggag	ggtagaagcc	180
tagggagtgt	gcgaggctgc	tgggatgagg	gagctcaggg	gctaccagct	aaccagcctc	240
agctcaatgg	tttctccatc	cttgggtctg	tagtcagcaa	taccttgcaa	cagtggggtg	300
ttggggctctc	ggagaaagctg	ccagaactcc	ctttctcc			338

```
<210> 441
<211> 505
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G
```

<400>	441						
ccacacagan	taccaagcc	acagacttgt	cttcacaag	cacgttctta	tcttagccac		60
gaagtgacca	agccacacgt	actaaaggtt	gaactcaaag	atatgtacag	ggattataaac		120
aaataccaag	gggaacagtt	aacttcaata	caaggtcga	atcagcaaca	agttctacaa		180
tccagnctg	atatcagata	caagcttcaa	ggacaatttc	tttcgaagg	cttattccag		240
tttcgngagg	ctagcatgag	gtgtgtgcat	ttgccagggg	caaatttcta	ttctcaatta		300
acccatgcag	caaatgctac	ncatggtgcn	gagtcggttt	agaagcattt	gcggtggacg		360
atggaggggc	ccgactcgtc	ttactcctgc	ttgctaattc	acnngngctg	gaaggngggac		420
agtgaggcca	cggatggagc	caccnatcca	caccgagtn	ttgcgctctg	ggggtgcgat		480
natnttgatc	ttcatggtgc	tgggc					505

```
<210> 442
<211> 386
<212> DNA
<213> Homo sapien
```

**<220>**



<400> 442

<210> 443

<211> 404

<213> Homo sapien

$\langle 220 \rangle$

```
<221> misc_feature
```

$\langle 222 \rangle$  (1) ... (404)

<223> n = A, T, C or G

<400> 443

<210> 444

<211> 318

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

```
<221> misc_feature
```

 $\langle 222 \rangle \quad (1) \dots (318)$ 

$\langle 223 \rangle$  n = A, T, C or G

<400> 444

<210> 445



<400> 447						
ccagganant	ggttccccaa	aggggacctc	acccgccccg	agctctggag	ccgctgacgc	60
tcgcatccag	gacatttgag	atgggaatcc	aaataggcta	cttgnaaaag	acgtgctgca	120
ngcagccctg	gagagactca	tggagttcat	tgtacattac	tccatctacc	gaggcagcgc	180



<400>	450						
ctggcaattt	tgagctgccg	gttatacacc	aaaatgttct	gttcagtacc	tagctctgct		60
cttttatatt	gctttaaatt	tttaaagaaa	ttatattgca	tggatgtggg	tatttgtgca		120
tattttttta	caatgcccaa	tctgtatgaa	taatgtaaac	ttcgattttt	ttttaaaaaa		180



```
<210> 451
<211> 209
<212> DNA
<213> Homo sapien
```

```
<210> 452
<211> 457
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G
```

```
<210> 453
<211> 277
<212> DNA
<213> Homo sapien
```

```
<210> 454
<211> 198
<212> DNA
<213> Homo sapien
```



<210> 457



<211> 183  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(183)  
 <223> n = A,T,C or G

<400> 457  
 ccaaattttt tacttttaaac actgaaaaca gaggaagtta ataaaaattt taacctataa 60  
 agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc 120  
 tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga 180  
 cag 183

<210> 458  
 <211> 445  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(445)  
 <223> n = A,T,C or G

<400> 458  
 gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60  
 aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120  
 aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag 180  
 ctagaagggg aagttgggta aaaatcacat caaaaagcta ctaaaaggac tgggtgtaatt 240  
 taataaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaat 300  
 atagttagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag 360  
 agtaattacc ancttaatgt ttttgcntt ggactntgag ttaagattat tttttaaatc 420  
 ctgaggacta ncattaatgg gacag 445

<210> 459  
 <211> 426  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(426)  
 <223> n = A,T,C or G

<400> 459  
 cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga 60  
 aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120  
 tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180  
 atactgttta tttagagcaat aatatattgt gctaacgttc aggcaccta ttactgagaa 240  
 ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc 300



```
<210> 460
<211> 348
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G
```

```
<210> 461
<211> 378
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(378)  
<223> n = A,T,C or G
```

```
<210> 462
<211> 197
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G
```



```
<210> 463
<211> 279
<212> DNA
<213> Homo sapien
```

<400> 463						
cataagtgat	gangaggnaa	aatcantnaa	taagcctaca	acntagaata	cattaaaaact	60
tgcacatata	catgttcaca	gcatgtatac	aatgataatc	cctacgggtt	aaccaagtta	120
tggttccctt	ctacagcaga	cacaaaacca	aggatgaacta	ggtnggcaga	tgtanaggga	180
ataccaaaaa	aagggtaatn	ngntcactga	ttctgaagna	tntgactgan	catactgagc	240
ttctgnactt	tgggaatgca	tnnaggnaac	aatatcttg			279

<400> 464						
gatgggttga	taggtgcagc	aaaccaccct	ggcgcattgtt	taccaatgta	acaaacctgc	60
acatcctgca	caggtactcc	aaaactaaaa	gtaaaaaaat	ctaaaagaaa	aaagaaaaag	120
aattaaaccc	aaaatcactt	ccccatctgg	acttgattta	gatgaaaagc	ttctggactt	180
tgagctgatg	ctatagtggg	ttgaaaattt	tggggtcctc	agaaggggat	gaggatatat	240
tgcattgagag	agcaacatga	atcatngaga	gccagagtat	agagagnggt	gggtagactg	300
taggagagcc	ctcaatgatc	ccggctgtct	tgtattcgcg	ttgcacttac	ttgtataata	360
tggcagatgg	gatgtgatgt	cactttcaag	attangttat	aaatagacta	tggcttcaat	420
cagaggggttt	tcttctctgt	ctanctctct	tttgggtagn	ttcattctga	gagaaaagcca	480
naacctcngcc	gcnaccacag	ctaaggggcg	anttcacgcn	cactggcggc	cngttactag	540
tggatccgng	ct					552

$\langle 220 \rangle$



<400> 465

<210> 466

<212> DNA

<220>

<222> (1) ... (381)

<400> 466

<210> 467

<211> 95

<212> DNA

 $\langle 220 \rangle$ 

<222> (1) ... (95)

<400> 467

<210> 468

<211> 224

<212> DNA

<213> Homo sapien



<212> DNA



<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 472

```
cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatga      60
agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa      120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc      180
tcatcccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc      240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc      300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa      360
ggaagttggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta      420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa      480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata      540
ccaattggta tgtccag                                     557
```

<210> 473

<211> 264

<212> DNA

<213> Homo sapien

<400> 473

```
cctccatcaa cagaaaggat aaagaccctt tcgggtctcc tcattaattc tgaactggaa      60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag      120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa      180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag      240
aaaattgaaa aagaagcagc tcag                                     264
```

<210> 474

<211> 165

<212> DNA

<213> Homo sapien

<400> 474

```
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc      60
ctttacatca tacttggaaca tatcaagcat tgggtgcacga tgtactggat ttccatttaa      120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag                                     165
```

<210> 475

<211> 417

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(417)

<223> n = A,T,C or G



$\langle 211 \rangle$  100



<212> DNA  
<213> Homo sapien

<400> 478  
aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat 60  
gttgactttg attttgctgg acctgcaatc catggttcag 100

<210> 479  
<211> 508  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(508)  
<223> n = A,T,C or G

<400> 479  
gnnttcacaaa ttcttctaac tcttccaaaa gccttctgcc ttagtttttt ttaaattaca 60  
ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa ctcccccttc tagcttcaag 120  
tattcttcta aattggctct ggtctacgta aacacctca tcttctcaag ctttaccttc 180  
taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata 240  
atttctcat ttttccagt ctattttatc caatttttgg ctttatattt ttctatcttc 300  
tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360  
tatcttctaa tttccctatc ttctctattc ttttcttcgc ctccccgtac ttctgcttcc 420  
agntttccac ttcaaacttc tatcttctcc aaattgttca tctaccact cccaataatc 480  
tttccatttt cgtgtagcac ctggncag 508

<210> 480  
<211> 81  
<212> DNA  
<213> Homo sapien

<400> 480  
ggtgcccttt tcctaact cacaacaaa ctaactaata ctaacatctc agacgctcag 60  
gaaatagata aggaaaatga c 81

<210> 481  
<211> 306  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(306)  
<223> n = A,T,C or G

<400> 481  
tcgccttcgg ccgccgggca ggtaggggn acaagacgct acttccccta tcatagaaga 60  
gcttatcacc tttcatgac acgccctcat agtcattttc cttatctgct tctagtcct 120  
gtatgccctt ttctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180



```
<210> 482
<211> 582
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G
```

```
<210> 483
<211> 275
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G
```

```
<210> 484
<211> 434
<212> DNA
<213> Homo sapien
```

<400> 484  
catattttcca caggccaatt tctttctggt tttctgctaa gctatttcag catttttagct 60  
tttctctcttt gcttttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120



```
<210> 485
<211> 291
<212> DNA
<213> Homo sapien
```

<400>	485						
ncaccactgc	agccctacat	acagttgaaa	aaaaattcca	ttctgttaac	at ttgtttta		60
taagttttca	cgcaatacac	aaaaaacccc	tctgcacttc	ttgtaaagaa	caaaaaagat		120
acacaacagt	taagcgtaaa	gatcacaggc	aatagcattc	aaacatggat	gtgggtagag		180
aaaggagtac	ctggcatgag	tacctgctta	gtttgactga	atccttgatt	tttaatttgg		240
cttttcatgg	gccgctcaca	acaccaacgc	tgtgtgaggt	atggtagtca	g		291

<400>	486						
ctgtaaatatt	gtagttgctc	cagaatgtca	agggcagctt	acggagatgt	cactggagca		60
gcacgctcag	agacagtga	ctagcatttg	aatacacaa	gtccaagtcta	ctgtgttgct		120
aggggtgcag	aaccgcgttc	tttgtagag	agaggtcaaa	gggttggttt	cctgggagaa		180
attagttttg	cattaaagta	ggagtagtgc	atgttttctt	ctgttatccc	cctgattgtt		240
ctgtaactag	ttgctctcat	tttaatttca	ctgg				274

```
<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G
```

```

<400> 487
tggcaccaag attctcagct cacgggtacca gcattctgatt gtcgggactac ctgctgcttt      60
ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc      120
tagagaagga gngaagnntt taaaaaaaata aaaaaaatact tatttcaagc tttagctgtg      180
ttct                                     184

```



cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga 60  
ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta 120



```
<210> 491
<211> 399
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G
```

```
<210> 492
<211> 482
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G
```

```
<210> 493
<211> 207
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(207)  
<223> n = A,T,C or G
```



```
<210> 494
<211> 283
<212> DNA
<213> Homo sapien
```

```

<400> 494
ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagtcca gacggtttct      120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg      180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggta      240
ataaqtcttt ctatgataag qgaagtaqcg tcttqtaqac cta                        283

```

<400> 495						
tatgtatata	attttcttag	ttactagcat	agagaaatta	ctgatttaaa	aaaacatttc	60
aaattctagc	atgttgtagg	attctattgc	cctttctaaa	aagtacatct	tgcttatccg	120
atttctaaca	aaactattta	at ttgaagaa	gggagaatga	at ttggataa	aaagcaaaaa	180
tttaaaggta	ctcaaattta	ggcaaaccat	taaagcaatc	ttagttttaca	gttaattggg	240
tagaatggtc	aacactttct	tcaggttagt	tcattggagtg	gatatgcatt	gatagaacaa	300
cttagagatg	ctttttacagt	tgagaaaagct	cattatattt	gttatcttta	agaatcagct	360
tattttatttc	atatgtttgt	tcttttaagaa	gaccaaagag	ccctgcaaat	gaatgttgat	420
ttgttttttt	gtttgtttaa	tattttttgta	gagataagat	ctcactttgt	tatgttgccc	480
aggctgggtct	caaactctca	acttgaagtg	atctgcccac	ctcagcctcc	caaagtgggtg	540
ggattacagg	catgagccac	cgcacctgga	cctgcccggg	cggncgctcg		590

```
<210> 496
<211> 307
<212> DNA
<213> Homo sapien
```











<400> 502

<400> 503

<400> 504

```
<220>  
<221> misc_feature  
<222> (1)...(530)
```



370



```
<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G
```

```
<210> 509
<211> 422
<212> DNA
<213> Homo sapien
```

<400> 509							
ntgggaagtc	gtgacatcca	tgggaaccca	gcgctgtgat	gctgggtgttt	gngtttctccg		60
cgagaagtga	ccattgttgg	agcaccatcc	agagctagtg	accantncag	tggacagtta		120
gtggggagaat	caaaaatcct	ttccagaatg	tctgtttctc	actacntgca	cgggngatt		180
acaggcacca	gtgcagngat	gattgtactt	atttgacaca	tactccccgt	cntcctggnt		240
nttgttcttg	anaanggtgg	gtaaatatcc	caggaaaaan	aatgcacatt	gaatggatgt		300
gagagaccac	attgcctctc	ccactgcttt	ggggagcact	ttcctgtcat	ttctaactta		360
ccacntgctt	ggtgtactat	atgtatgttg	tgccatcat	gttgcaaaga	actaangtga		420
gt							422

```
<210> 510
<211> 238
<212> DNA
<213> Homo sapien
```

```
<210> 511
<211> 254
<212> DNA
<213> Homo sapien
```



<220>



<400> 514

<210> 515

<211> 328

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (328)$ 

<223> n = A, T, C or G

<400> 515

ccaatgaggg	gcaaagtga	cgncnagaag	angttttgac	tgaataaat	caaacacaaa	60
aatntaagtt	cacagtga	gtttaaacaa	aatccaaaca	aactaacac	anaaacaccc	120
cttgntttgc	ctctagtga	aggtgggana	acacaanctc	gtcctaaaaa	ttgactagta	180
aaggggaaaa	cccggtcatt	tncctactct	ttccangaaa	tatctaata	gc aagaaagaac	240
ttctnctcat	tatacngaag	gaatttngaa	aaatgatgta	tttttggaac	acctaantga	300
aatactgqaa	cctgggcaaq	ttcaccac				328

<210> 516

<211> 220

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (220)$ 

$\langle 223 \rangle$  n = A, T, C or G

<400> 516

ncctnagttg	aaggacccca	tgtacataca	ggccagggga	gcagtactag	gntaactaga	60
aggatctcat	ccccatatgt	gggctcattt	caagtctatg	gatgactacc	ttcattgntg	120
tgtgcgagat	ggtttcaccc	cttgaaaata	tgggcacttc	ancataanat	agcnaaatct	180
ttataatgat	caatncatcc	tacctccttt	tacatgcatg			220

<210> 517

<211> 296

<212> DNA

<213> Homo sapien

<400> 517



<400> 520

ctgatatcta	cttattttaac	acaagtctct	aatacaatac	aattttatta	attttattcc	60
acatgcccc	cattagatct	ctagactcat	tcatactaca	tacctaactt	gtatcctttg	120



```
<210> 521
<211> 312
<212> DNA
<213> Homo sapien
```

<400> 521

```
<210> 522
<211> 336
<212> DNA
<213> Homo sapien
```

<400> 522

```
<210> 523
<211> 172
<212> DNA
<213> Homo sapien
```

<400> 523

<210> 524  
<211> 471



<213> Homo sapien

ccagacctgc	agaaaaactt	agcacagctc	aatctgctgt	tttgatggct	acagggttta	60
tttgggtcaag	atactcactt	gtaactattc	caaaaaattg	gagtctgttt	gctgttaatt	120
tctttgtggg	ggcagcagga	gcctctcagc	tttttcgtat	ttggagatat	aaccaagaac	180
taaaagctaa	agcacacaaa	taaaagagtt	cctgatcacc	tgaacaatct	agatgtggac	240
aaaaccattg	ggacctagtt	tattatttgg	ttattgataa	agcaaagcta	actgtgtgtt	300
tagaaggcac	tgtaactggg	agctagtctt	tgattcaata	agaaaaatgc	agcaaacctt	360
taataacagt	ctctctacat	gacttaagga	acttatctat	ggatattagt	aacatttttc	420
taccatttgt	ccgtaataaa	ccatacttgc	tcaaaaaaaaa	aaaaaacctt	c	471

<211> 332

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

ccccnctgta	ttccagcctg	ggtgacccca	tctcanggaa	gaaaagttac	cagatgtcgn	60
gggtaaaggt	tggtcttcaa	gtggcctcat	aagttgtctt	gcattttaat	tcaggaatt	120
cattggacca	ataggttaca	ttttcgttcc	ttttttgttt	tggttcatct	gttaagcagt	180
gggggcctaa	ttactgctcc	tttgtaaaaa	cacattttcc	caaagaacac	tgaattaccg	240
ttcaaaactgg	ttgttgatgg	gtaataaggg	ctgtttttgc	tgcccaaaaa	gggcttaaca	300
atttaggcqg	atagtttact	taaaaaaaaa	aa			332

<211> 440

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

ccagggttacc	tcccctaaca	gatgtggtgt	tctganggggt	tgggttaagtg	cccaggaaaa	60
ataggcctta	actgttaaca	tctacagaga	agaaagcatg	gtcacactgg	caaggagtaa	120
gaagggattg	ggtaaaaagaa	aatgggagag	aaaagggaaa	aaagttttgg	caagacaatt	180
gttccctgct	aagaagctgc	agggtgaaa	ctttcctttc	ttctattttt	gtttttaatg	240
nctgtctctc	tgatcagngg	aaaaagtga	atttctagta	tctagcacta	acgtatgacc	300
caactttgag	ggatcacaag	ctagaacaag	ttgaggattt	aaaatcctgg	ataattatat	360
acttaaagtt	catgagcata	aagctcactt	gaccatgcag	aaatgctggg	aagcaggggtg	420
catggcatgg	gaatacatct					440







<210> 533



```
<220>  
<221> misc_feature  
<222> (1)...(290)  
<223> n = A,T,C or G
```

<400> 533						
ctgaaccatt	atgggataaa	ctggtgcaaa	ttctttgcct	tctctacttc	tcaactgattg	60
aacataagct	tccagggctc	ccctgaaaac	caaaatgaaa	acaatgtcaa	aatattagat	120
aaatcacata	aaacagttaa	ggggatacca	atatataaaa	attattaggt	aagctcattt	180
ctggaactgt	taatgctcgg	tttcacaatc	caagnngacc	aacagccttc	actcagntac	240
tgnnagtqnt	actatggtta	ctacngntac	tacctttagt	gtnaaaaact		290

```
<210> 534
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G
```

<400> 534						
ccgccagtgt	gatggatatc	tgcagaattc	gcccttagcg	agnnagccgg	gcaggtccat	60
ggctagggtt	atagatagtt	gggtggttgg	tggggnatga	gtgaggcagg	agtccgagga	120
ggttantttg	tggcaataaa	aatgattaag	gatactagta	taagagatca	ggttcgtcct	180
ttagtgttgc	gtatggctat	catttgtttt	gagggtagnt	tgattagnca	ttgttggng	240
gtaattantc	ggctgttgat	ganatatttg	gaggtgggga	tcaatanagg	gggaaatana	300
atgatcagtn	ctgcggcngg	tnngacctcn	gccc			334

```
<210> 535
<211> 557
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G
```

<400> 535							
nccataagct	tcagtgcgca	aaagggtcaag	gccagtggtta	at ttgttatt	tcttaaataa		60
ctttcccttt	cattttttaa	ttataaattt	aacttctaac	atgttttatg	gttaaaattg		120
tacttttttc	cttttagcgac	attcaaatgc	atcacaaatca	ctttgtgaaa	ttgttcgcct		180
gagcagagac	cagatgttac	aaattcagaa	cagtacagag	cccgaccccc	tgcttgccac		240
tctagaaaag	tatgtgtaaa	actctgttct	tgttcttctt	tcatattgat	gctgttccat		300
qtgttaccat	tgtgagtgg	tggttaagtgt	tccttatgtg	ggaatcatgt	gccttgaaaa		360



```
<210> 536
<211> 372
<212> DNA
<213> Homo sapien
```

<400> 536

```
<210> 537
<211> 284
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G
```

<400> 537

```
<210> 538
<211> 293
<212> DNA
<213> Homo sapien
```

<400> 538

gtacatagta	ggtgtatata	tttatgggct	atataagatg	ttttgataca	ggcatgtaat	60
gtgaaacaag	cacatcaaca	agaatggggt	atccatcccc	taaaacattt	gtcctttggg	120
ctacatgtca	tttcctaata	taaagaaaaa	ggacagacag	aaccaacatt	gatttgactg	180
ggtgaaaaaag	tccatttgag	ttggggagcag	gggttggtgt	cctggatttg	ggttgttagg	240



```
<210> 539
<211> 468
<212> DNA
<213> Homo sapien
```

<400> 539							
ataaa	ctttattttt	agagcagttt	taagnnggta	gcaaaattga	ttagaaggna		60
atgtc	ccatacacct	cctactccca	cacatgcaca	gccttcccca	ttatcaatag		120
aacag	agggatacat	ttgttaacaa	ctgacgaacc	tacatatcat	tatcacccaa		180
acagt	ttatattatt	ccttctggag	aattttcaaa	tacagaaatt	cctctaccag		240
aacta	ncaatttcct	ctcggccttc	tataaattta	attattattt	cagaaattag		300
cttta	caggagaaaa	tgttataaac	catgaaaaga	ctatcaaata	cacaaggaag		360
gntat	ataaaaaaatg	taccatctcc	taaacaacta	cctgcattcc	cttcttgttg		420
ctata	atttggnata	gttctgatca	tctgtttaat	taatttgc			468

```
<210> 540
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G
```

<400> 540						
ctgttttatt	aattccccca	tttgcagcac	acttntctct	tccaacattc	atcagtcaga	60
tcagagtcca	cggctctttc	aaaatttaga	taaactggct	tacattttgt	aatgatgtcc	120
ccagacaaca	ccccactcca	accattctcg	tttgttacta	ttagtttaca	acatgcattg	180
gcctttactt	tcattttcat	agtatttaaa	aatggaaggg	cactcccaaa	tttactttaa	240
cccctttaat	aatctctctc	ctcctgctct	ctctggctct	ccagacaact	gttgatttac	300
tttcctttat	gatggattag	tttgcatttt	ctagaatttt	atatgactga	catataaagn	360
ttttatggtt	ctcccccttg	ggtttcttca	tgtggca			397

```
<210> 541
<211> 248
<212> DNA
<213> Homo sapien
```

<400> 541						
cctagatagg	ggattgtgcg	gtgtgtgatg	ctagggtaga	atccgagtat	gttggagaaa	60
taaaatgtgc	atagtggggg	ttttatttta	agtttgttgg	ttaggtagtt	gaggctcagg	120
gctgttagaa	gtcctaggaa	agtgacagcg	agggctgtga	gttttaggtg	gagggggatt	180
gttgtttgga	aggggggatgc	gggggaaatg	ttgttagcaa	tgagaaatcc	tgcgaatagg	240



cttccggc

248

<210> 542  
 <211> 366  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(366)  
 <223> n = A,T,C or G

&lt;400&gt; 542

aatcggccct	ctagatgcat	gctcgagcgg	ccgccagtgt	gatggatatt	tcgagaattc	60
gcccttgagc	gatanccggg	gcagggtccaa	ttgatttgat	ggtaagggag	ggatcggtga	120
ccncgtctgt	tatgtaaagg	atgcgtaggg	atgggagggc	gatgaggact	aggatgatgg	180
cgggcaggat	agttcagacg	gtttctat	cctgagcgtc	tgagatgtta	gtattagtta	240
gttttgttgt	gagtgttagg	aaaagggcat	acaggactag	gaagcagata	aggaaaatga	300
ctatgagggc	gtgatcatga	aaggtgataa	gctcttctat	gataggggaa	gtagcgtctt	360
gtanac						366

<210> 543  
 <211> 460  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 543

cctactatgg	gtgttaaatt	ttttactctc	tctacaagggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttgactaa	cagttaaatt	tacaagggga	tttagaggggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	ggcaaccagc	tatcaccagg	ctcggtaggt	180
ttgtgcctc	tacctataaa	tcttccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttatttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgccg	tactatatct	attgcgccag	gtttcaattt	420
ctatcgcccta	tactttattt	gggtaaatgg	tttggttaag			460

<210> 544  
 <211> 116  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(116)  
 <223> n = A,T,C or G

&lt;400&gt; 544

ccgccagtgt	gatggatatt	tcgagaattc	gccctttgga	gngctngcgc	ccgggcagggt	60
ctgtttcagc	agctcctcct	tcttcttccc	gcgangatct	cgagccttga	tcttgg	116

&lt;210&gt; 545



<211> 380  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(380)  
 <223> n = A,T,C or G

<400> 545  
 cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg 60  
 gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt 120  
 gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tgggaattgga 180  
 gttgcagaaa cagtaagaca atcgattgtg gggaagcgtt cttttagaga atctttggcc 240  
 ttcactccaa agcgttggtc ttcataata ataatagct cgtgccgaat tcctgcagcc 300  
 cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttgttccc 360  
 tttagtgagg gttaatttcg 380

<210> 546  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<400> 546  
 ccagggcaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60  
 aattgtccct gtttgccgat gacatgattg tatatctaga aaacccatt gtctcagccc 120  
 aaaatctct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac 180  
 aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagtg 240  
 aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat 300  
 gtgaaggacc tcttcaagga gaactacaaa ccaactgctca aggaaataaa agaggataca 360  
 aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg 418

<210> 547  
 <211> 172  
 <212> DNA  
 <213> Homo sapien

<400> 547  
 cctgagggtg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccagagagta 60  
 tttgatgtt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtttatagc 120  
 acccgtctct ccatttgaga aaaatggta gtagtctggg gcagggatga gg 172

<210> 548  
 <211> 367  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(367)  
 <223> n = A,T,C or G







```
<210> 552
<211> 411
<212> DNA
<213> Homo sapien
```

<400> 552

```
<210> 553
<211> 631
<212> DNA
<213> Homo sapien
```

<400> 553

cgggatttag	aactaaaaca	agtgagatca	cccctcta	tatttctgaa	cttgggtaat	60
aaaagtttat	aagattttta	tgaagcagcc	actgtatgat	attttaagca	aatatgttat	120
ttaaaatatt	gatccttccc	ttggaccacc	ttcatgttag	ttgggtatta	taaataagag	180
atacaaccat	gaatatatta	tgtttataca	aaatcaatct	gaacacaatt	cataaagatt	240
tctctttttat	accttctca	ctggccccct	ccacctgcc	atagtcacca	aattctgttt	300
taaatcaatg	acctaagatc	aacaatgaag	tattttataa	atgtatttat	gctgctagac	360
tgtgggtcaa	atgtttccat	tttcaaatta	tttanaattc	ttatgagttt	aaaatttgta	420
aattttctaaa	tccaatcatg	taaaatgaaa	ctgttgctcc	attggagtag	tctcccacct	480
aaatatcaag	atggctatat	gctaaaaaga	gaaaatatgg	tcaagtctaa	aatggcta	540
tgtcctatga	tgctattatc	atagactaac	gacntttatc	ttcaaaacac	caaattgtct	600



ttagaaaaat taatgtgatt acaggtagag g

631

<210> 554  
 <211> 558  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(558)  
 <223> n = A,T,C or G

<400> 554  
 ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggcct cccaaagtgc 60  
 tgggattaca ggcattgagcc actgcgcccg gccaaacttg atatgcattt ttaaataagt 120  
 taatacatta ttcattggtt agtctcatta tatattctat ggtccacttt gaaatttcat 180  
 ctaacaaaaa tcattcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt 240  
 aatttcttca tatgcccttt ctcaaggaaa tagtttctta tgaaaaaaaaa gtcctatgtt 300  
 ttcattgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt 360  
 ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag 420  
 tctgtcaata acccggaata acatttcttt aaggccccag taactttcac atgtttgggt 480  
 tccaatcttc acctagaatc ttgttaagaa aagtaaacca ttcactcttc tagaaactct 540  
 aaggttgctt cttagggg 558

<210> 555  
 <211> 212  
 <212> DNA  
 <213> Homo sapien

<400> 555  
 ccaggatatt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg cccagctaa 60  
 ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaacct gtgtactaac 120  
 atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcgggtggtg 180  
 taactttaag aatatccgag aagccaccaa gg 212

<210> 556  
 <211> 219  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(219)  
 <223> n = A,T,C or G

<400> 556  
 ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60  
 atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120  
 agttgttaga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180  
 gtatgtcctt gtaaggcttt tttttttttt ttttncct 219



<400> 557

```
<220>  
<221> misc_feature  
<222> (1)...(679)  
<223> n = A,T,C or G
```

<400> 558

```
<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G
```

<400> 559



```
<210> 560
<211> 602
<212> DNA
<213> Homo sapien
```

<400> 560

```
<210> 561
<211> 683
<212> DNA
<213> Homo sapien
```

<400> 561

gtctattttt	aaaaagaaag	aaaaaaacca	cttttttata	gtccctagct	ttgccatatg	60
cccgccttaa	gtggaaggaa	agttaatcac	ttaactatgt	tttataaaaa	gaaaaaaggg	120
cttggaatgc	tattactggt	cacacaaagt	atgattctgt	ttgaataagg	caaagtctcc	180
ttttttttaa	aaaagacatt	actgtaatat	caaaaaccgt	ggcagtttgt	atacaactct	240
gggcttgatt	ttttttaaaa	aaacagaatg	aattgatgtc	ttattttata	aatgttctat	300
atttattagg	agaaaaacttt	atattgcctt	ttttatcaat	catgtaacag	gcttatagct	360
ttccaacaga	gctgcttgcc	aaacaatttt	ttttgtttat	taaacagtgc	tgaaacaaac	420
aggatcagca	tttacttaag	atgttaagaa	tgaggacttt	taatcagccg	aaccaagata	480
ttgttacctg	tatgcattcc	caaagtctag	atgctcagta	tgttcagtca	tatctttcag	540
aatcagtgaa	ccgattaccc	tttttttggt	attcactcta	catctgccaa	cctagttcac	600
cttggttttg	tgtctgctgt	agaagggaac	cataacttgg	ttaaaccgta	gggattatca	660
ttgtatacat	gctgtgaaca	tgt				683



<400> 562

<400> 563

<400> 564

```
<220>  
<221> misc feature
```



<223> n = A, T, C or G

ccanngtgac	atcatggcaa	tacagcaaga	attctgnnat	ttatttagaa	gcctcaagga	60
gaaggatcct	ggagccctg	aatgagagtt	tcttctccat	gcctctcccc	agtcaaaata	120
catggaaaata	ttcatagaag	cattgtaccc	agcatgataa	ggaaggatgg	agaatggttc	180
cttatatctc	tgttcacaag	acatcaacac	tcttaagtaa	ctgtatgaaa	taaattctct	240
gctgaaagca	aataaaccat	ctgaaaggtc	ttctgggttac	ttacacagat	ttcctagaga	300
atctgaaatc	agcctaacag	ggaagattaa	tttttaaattg	aatccaagtt	aatgaaagca	360
aagaactctt	atacagaaat	acatttttctt	attataaaagc	aggactacct	tccctaattt	420
ctgatagacc	taggacaatt	tgaatgggca	ttgaaattct	tttggttgaa	ttacgcaaac	480
aagcaaagga	aaagtctcaa	ttattattgg	aaaatttggg	gagagattat	tatctcttga	540
tctcctagtn	natt					554

<211> 631

<213> Home

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (631)$ 

<223> n = A, T, C or G

ncgaagctgt	gaanncattc	acacggaatc	tgganggtat	tactgtaact	tcttataata	60
cataatataa	aagtttttga	aagatataga	cacaattaac	ccctaaacaa	cacactatct	120
gattctcaaa	agcaatggct	atttaacaag	atgtaaaagg	acaataacat	atcaaagaac	180
tttcacacac	ctaaagatag	catttagcag	caagttagtc	agacaaaaca	aacataaata	240
tcttcacatt	tcttatgttt	gtttttaact	ttacttcata	aagccactga	taattgaggt	300
ttctttcaag	tataagattt	ctaaaattaa	aaactgtttt	tgacatattt	ttataaagaa	360
ataaaaaagca	aaacgcaatc	caactattta	tatgagtcct	tcttctccaa	cagctttaga	420
tgtttttctg	agtacttttt	acacagaata	tttttattaa	aatcagttct	aattcattta	480
tcgagattag	gggaaaaatga	ttcataataa	attaacttta	aaattacctt	ctatctgctt	540
ctacctctat	cccccatca	ccaccaatc	tgttgctaca	gtgaactgta	gccaatgtct	600
gttttgagggg	gcccaaagca	tctggtaatc	t			631

<211> 510

<212> DNA

<213> Home

$\langle 220 \rangle$

```
<221> misc_feature
```

$\langle 222 \rangle$  (1) ... (510)

<223> n = A, T, C or G

```
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga      60
aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt      120
```



tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna 180  
 atactgttta tttagagcaat aatatattgn gctaacgttc aggcaccta ttactgagaa 240  
 ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc 300  
 agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac 360  
 attttggtt tttcctcagt gataccatgt gtgggaagtt gttctgtcaa ggtgggtcgg 420  
 ataatttgcc ctggaaagga cggatagtga ctttcttgac atgtaaaaca tttgatcctg 480  
 aagacacaag tcaagaaata ggcattggtg 510

<210> 568  
 <211> 180  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(180)  
 <223> n = A,T,C or G

<400> 568  
 ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag 60  
 ttctttctata gggatgata ttggtccaat tgggtgtgag gatttcagtt atatgtttgg 120  
 gatttttttag gtatgtgggtg ttgagcttga acgctttctt aattggtggc tgcttttagg 180

<210> 569  
 <211> 237  
 <212> DNA  
 <213> Homo sapien

<400> 569  
 ccaattgatt tgatygtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttcttgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg 180  
 gcatacayga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag 237

<210> 570  
 <211> 352  
 <212> DNA  
 <213> Homo sapien

<400> 570  
 ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact 60  
 ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac 120  
 tattatttat acaaatttgg ttaacacctc atcattttta attggctgtg ctaataatgc 180  
 tcattgtgct cttcaggggt atgtgtgtgt gtgtgtgtgt gttttgacct aatctgcaac 240  
 ctacatttgc tctggcagta tgttgagtat atgctagaat agaattggacc taggcaactc 300  
 taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg 352

<210> 571  
 <211> 402  
 <212> DNA  
 <213> Homo sapien



```
<210> 572
<211> 70
<212> DNA
<213> Homo sapien
```

```

      <400> 572
tggatccgag ctcggtacca agcttggcgt aatcatggtc atagctgttt cctgtgntcg      60
ttttacaacg                                     70

```

```
<210> 573
<211> 423
<212> DNA
<213> Homo sapien
```

```
<210> 574
<211> 129
<212> DNA
<213> Homo sapien
```

<210> 575  
<211> 684



```
<220>
<221> misc_feature
<222> (1) ... (684)
<223> n = A,T,C or G
```

```
<210> 576
<211> 134
<212> DNA
<213> Homo sapien
```

```
<210> 577
<211> 133
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G
```

```
<210> 578
<211> 200
<212> DNA
<213> Homo sapien
```



<210> 582



ccagaatggt	acagagtgga	gggtgttctg	ctaatagactt	cagagaagta	tttaagaaaa	60
acatagaaaa	acgtgtgcgg	agtttgccag	aaatagatgg	cttgagcaaa	gagacggtgt	120
tgagctcatg	gatagccaaa	tatgatgcca	tttacagagg	tgaagaggac	ttgtgcaaac	180
agccaaatag	aatggcccta	agtgcagtgt	ctgaacttat	tctgagcaag	gaacaactct	240
atgaaatgtt	tcagcagatt	ctgggtatta	aaaaactaga	acaccagctc	ctttataatg	300
catgtcag						308



<210> 586  
 <211> 416  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(416)  
 <223> n = A,T,C or G

<400> 586  
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60  
 ctgaaaaatt ctaggaaagc ttattttccc ttatatattt atggnacttt caacacttna 120  
 caacactatt tnaattaann ttntttctag agtttatann atacagtac attcttttct 180  
 gtggatgcaa taatatagaa tcttattnca aatcttactg gcaggntctn ttaaattctt 240  
 caacggntgn catagtgtt aaccaaatt agttatgatt tctgcctatc tgtgtgagaa 300  
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360  
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 587  
 <211> 382  
 <212> DNA  
 <213> Homo sapien

<400> 587  
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60  
 gctgttcttc tttggactaa cagttaaatt tacaagggga tttagagggg tctgtgggca 120  
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180  
 ttgtgcctc tacctataaa tcttcccact attttgcctac atagacgggt gtgctctttt 240  
 agctgttctt aggtagctcg tctgggttctg ggggtcttag ctttggctct ccttgcaaag 300  
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360  
 tggttataat ttttcatctt tc 382

<210> 588  
 <211> 307  
 <212> DNA  
 <213> Homo sapien

<400> 588  
 cctactcttc tccgtccatt gtactatctg cccgtgggtgg ggatggcagt aggatcatat 60  
 ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120  
 tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180  
 tggacaataa cacatggact aataccata tttctcgagt agggcaggca atggcgcca 240  
 cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300  
 ttggagg 307

<210> 589  
 <211> 89  
 <212> DNA  
 <213> Homo sapien



<400> 589  
 cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctggggcaat 60  
 acagcaagac tgtctcaaaa aaaaaaaaaa 89

<210> 590  
 <211> 456  
 <212> DNA  
 <213> Homo sapien

<400> 590  
 cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60  
 cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcataagg 120  
 ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg 180  
 aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240  
 cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt 300  
 tcaatgctct gaattcaact gacagactaa aggggtgtttc ctgtaacagt ctgaaatatt 360  
 aagtgttttt tttgttttgt ttttaaactt tatttcagaa aacttcctct tggggtagga 420  
 aagtacacat gaagcagcaa agtaacgaag aaaaac 456

<210> 591  
 <211> 289  
 <212> DNA  
 <213> Homo sapien

<400> 591  
 ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60  
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120  
 atttcctgag cgtctgagat gtagtatta gttagttttg ttgtgagtgt taggaaaagg 180  
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240  
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg 289

<210> 592  
 <211> 435  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(435)  
 <223> n = A,T,C or G

<400> 592  
 cgcgttagat ggcgcttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag 60  
 ctggggaagg aagctcaggc aggagcctcc cgcacaccac agcggcacia gcagcagcta 120  
 aagcaccgca ctttgctctg ctaacctttt acttaaataa ggttttgcca aatccacatc 180  
 tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcactctctac 240  
 tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt 300  
 tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360  
 tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420  
 cgggatttgn gtgtc 435



```
<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G
```

```
<210> 594
<211> 501
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G
```

```
<210> 595
<211> 383
<212> DNA
<213> Homo sapien
```

<400> 595



```
<210> 596
<211> 266
<212> DNA
<213> Homo sapien
```

```
<210> 597
<211> 383
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G
```

```
<210> 598
<211> 266
<212> DNA
<213> Homo sapien
```

<400> 598						
ccatggctag	gtttatagat	agttgggttg	ttggtgtaaa	tgagtgaggc	aggagtcgga	60
ggaggttagt	tgtggcaata	aaaatgatta	aggatactag	tataagagat	caggttcgtc	120
ctttagtgtt	gtgtatggct	atcatttggt	ttgaggttag	tttgattagt	cattgttggg	180
tggttaattag	tcggttggtg	atgagatatt	tggaggtggg	gatcaataga	gggggaaata	240
gaatgatcag	tactgcggcg	ggtagg				266



```
<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G
```

```
<210> 600
<211> 213
<212> DNA
<213> Homo sapien
```

```
<210> 601
<211> 471
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (471)
<223> n = A,T,C or G
```

<210>	602
<211>	482
<212>	DNA



gcngttttga	gtgagtttct	taatcctgag	ttctggnttg	attgcactgt	ggtctgagag	60
atagtttggt	ataatttctg	ttcttttaca	cttactgagg	agagctttac	ttccaagtat	120
gtggtcgatt	ttggaatagg	tgtgggtgctg	tgctgaaaag	aatgtatatt	ctgttgattt	180
ggggtgagga	gttctgtana	tgtctattag	gtccgcttgg	tgcagagttg	agttcaattc	240
ctggatagcc	ttgttaactt	tctgtctcgt	tgatctgtct	aatgttgaca	gtggggtggt	300
aaagtctccc	attattattg	tgtgggagtc	taagtctctt	tgtaggtcac	taaggacttg	360
ctttatgaat	ctgggtgctc	ctgcattggg	tgcacatata	tttaggacag	cnagctcttc	420
ttgttgaatt	gatcccttta	ccattatgta	atggccttgn	ctcttttg		468



<210> 608



<400> 608

```
<210> 609
<211> 648
<212> DNA
<213> Homo sapien
```

<400> 609

```
<210> 610
<211> 310
<212> DNA
<213> Homo sapien
```

<400> 610

```
<210> 611
<211> 254
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc feature
```



<213> Homo sapien



```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactac cagttaaatt tacaagggga ttttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgccctc tacctataaa tcttcccact atttt                               215

```



```
<210> 621
<211> 563
<212> DNA
<213> Homo sapien
```



ctgacaatga	taaaattatc	tctatatggg	caaacgcgtg	ctctttgtcg	aagaagaaaag	60
cttcagcttc	atgttccagg	tgagttaatt	aggcaatgta	tgaatgctaa	tatctctttc	120
acatatTTTg	cttaagatct	gtcttaggac	tctcgtctgg	cccatatggt	tttccaaggg	180
cagaagggcc	tctttttgat	gagaggcagt	tttcagtaac	tcttaaagtg	ataacagcaa	240
aggagaggag	agagaagagt	aagacaaatc	gaaacattct	tcaattgctt	cttggccttt	300
tggctaagct	caagctcaaa	acagggtcttc	aaggagaaaa	tacatcacaa	agaaaaggat	360
gttttatttc	ttaccttgtc	ctagaaaaat	ttccataaac	tctattggct	taattctgta	420
aacttgacca	atatcagagt	gcttcctacc	aaggagggtg	gctgatgagc	gtgaccatgg	480
tacatcctag	aagaatgtgt	gatgaagaag	ctttcacctg	gtaaaagagt	tgaaaattat	540
tcaaggagac	attatggtct	tgg				563

<211> 505

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

<222> (1) ... (505)

<223> n = A, T, C or G

tcttaagtgt	gtttaataga	taaagtaaac	tttcctagtc	aagggttaga	tttttattat	60
ctcttggtgt	ccgactttct	acttttcaac	tttgaacttc	aaaaaaacat	tactttgctt	120
atcctttgta	ctttgatcag	gttgtttaga	attgtagatc	aaaccattct	ttgatcattt	180
tattgtttaa	atgnntagtt	ccatttataa	tttttatagc	caactctcgg	ttattttctgt	240
cttttgagat	tgcaattcag	aagctgtatg	tcgaagtaat	ttatgagttg	acttttatac	300
ttaggcttct	ttaaatacta	atagt.caaga	attctagagc	atctaataaa	aaattaactt	360
tcagatcatt	gggaatctgt	cctcatttaa	atatgtgtaa	atgcattttc	acagcaaatt	420
gcttcatgcc	ctttgnectat	aaggaaatta	ttccttgtag	ctaatacatt	tttcattttg	480
cagnccaaat	cttttttgag	aaagg				505

<211> 489

<212> DNA

<213> Homo sapien

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttggaactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgcttc	tacctataaa	tcttcccact	attttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctgggttctg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgccg	tactatatct	attgcgccag	gtttcaattt	420
ctatcgctat	actttatttg	ggtaaagtgt	ttggctaagg	ttgtctggta	gtaagggtgga	480
gtgggtttg						489

<210> 624



<400> 624

<400> 625

<400> 626

<400> 627



```
<210> 628
<211> 233
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G
```

```
<210> 629
<211> 450
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G
```

```
<210> 630
<211> 486
<212> DNA
<213> Homo sapien
```

<400> 630  
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60



```
<210> 631
<211> 211
<212> DNA
<213> Homo sapien
```

```
<210> 632
<211> 293
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G
```

```
<210> 633
<211> 263
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1) ... (263)  
<223> n = A,T,C or G
```

<400> 633						
nggtctgcag	tgtccctttt	tatatcatgc	tagtgttgag	acatacttga	ctaacttggg	60
aacagttcga	tatattgaca	accgtcaact	taagaaaatc	aacagctttt	ggccccagcg	120
tccaagtqaa	cttttcatgg	agtgcagaat	ctcaaattga	caaaatactt	tgtcttttta	180



```
<210> 634
<211> 491
<212> DNA
<213> Homo sapien
```

```
<210> 635
<211> 270
<212> DNA
<213> Homo sapien
```

```
<210> 636
<211> 383
<212> DNA
<213> Homo sapien
```

```
<210> 637
<211> 537
<212> DNA
<213> Homo sapien
```

 $\langle 220 \rangle$



<400> 637

<210> 638

<211> 445

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$  (1) ... (445)

<22.3> n = A, T, C or G

<400> 638

ccagcagaac	acagnagtga	tttgggtccc	tttgttcccc	agtgggggtat	ctatccttgt	60
gcaggggcaca	agcctacatg	gtgggtcttg	tcatatcatt	agaaaataga	cagaaatggg	120
ctgcacacca	gaatgaatga	attgaattga	aagggaggag	tgatggtgga	aaaaaaaaaca	180
agtcaattca	tttagactgg	tagaaccaga	accactgtgt	agtacatcca	aacggttaaa	240
attccctgga	agatgttaca	taatcctatc	atgggtgttta	tttatggaaa	tctatttttaa	300
aaattttatg	taatactgca	cagtctgttt	gcatgatgcc	ttgtacgtag	tagcaactca	360
gtaaatactt	tttgaatgaa	ctagtatagt	attttaatta	gctagtcttc	gtgtactggg	420
acaaaaaqaac	agtctcatct	tacag				445

<210> 639

<211> 584

<212> DNA

<213> Homo sapien

<400> 639

gcttgagtat	tctatagtgt	cacctaaata	gcttggcgta	atcatgggtca	tagctgtttc	60
ctgtgtgaaa	ttgttatccg	ctcacaattc	cacacaacat	acgagccgga	agcataaagt	120
gtaaagcctg	gggtgcctaa	tgagtgagct	aactcacatt	aattgcgttg	cgctcactgc	180
ccgctttcca	gtcgggaaac	ctgtcgtgcc	agctgcatta	atgaatcggc	caacgcgcgg	240
ggagaggcgg	tttgcgattt	gggcgctctt	ccgcttcctc	gctcactgac	tcgctgcgct	300
cggtcgttcg	gctgcggcga	gcggtatcag	ctcactcaaa	ggcggtaata	cggttatcca	360
cagaatcagg	ggataacgca	ggaaagaaca	tgtgagcaaa	aggccagcaa	aaggccagga	420
accgtaaaaa	ggccgcgttg	ctggcgtttt	tccataggct	ccgccccctc	gacgagcatc	480
acaaaaatcg	acgctcaagt	caagagggtg	cgaaaccgga	caggactata	aagataccag	540
gcgtttcccc	ctggaagctc	cctcgtgcgc	tctcctgttc	cgac		584



<400> 640

```
<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G
```

<400> 641

```
<210> 642
<211> 381
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(381)  
<223> n = A,T,C or G
```

<400> 642

```
<210> 643
<211> 403
```



<213> Homo sapien

ccttcctaaa	aaatagtggt	gagctggagg	ctacttcgcg	cttccttagcg	tctgggtcaga	60
gagctgatgg	atatcccat	tgggtccgcac	aagatgacat	agatttgcaa	aaagatgatg	120
aggataccag	agaggcattg	gtcaaaaaat	ttggtgctca	gaatgtagct	cggaggattg	180
aatttcgaaa	gaaataattg	gcaagataat	gagaaaagaa	aaaagtcatg	gtaggtgagg	240
tggttaaaaa	aaattgtgac	caatgaactt	tagagagttc	ttgcattgga	actggcactt	300
attttctgac	catcgctgct	gttgctctgt	gagtcctaga	tttttgtagc	caagcagagt	360
tgtagagggg	gataaaaaa	aaagaaattg	gatgtattta	cag		403

<213> Homo sapien

<223> n = A, T, C or G

cctattttatt	tgttttggcc	ctggatcttt	cctaatacaca	attatatttc	tttattttttg	60
cctttgagca	gtttcattta	tctttgtggg	caggggaagat	taaatatgaa	attcagtgcca	120
gtcattttgc	tactgggttag	cttttagtttg	aggcaagtaa	aaattttttga	ttaaaatttag	180
tttcttaaaaa	ttatgccctt	gctttaccaa	ataatcaa	at	tggtctaaaaa	240
ataaggggat	gtaactttgc	attttgaaga	acaaaccaat	aatttttcat	gagccctact	300
cgatctttctt	taaagaagac	cttcctaaga	gacaattagg	gatgagtttg	attaatggga	360
aataagctcta	ggtagatta	ttttaaattc	catacaccaa	gtgatttaac	cacagtggca	420
gtggcagctt	ctgaaccgtc	aagtatgaac	atcacttaaa	aattaaaaga	tgcttaataa	480
taaactctta	attttcatta	agccaatctg	taattcagaa	gaaaagcata	tgtctgccat	540
gggactattg	cagtgcgtct	ccatcagtgt	taacacagga	gagatatgtt	attttatgtg	600
tatgtcttag	tttgggatat	gtggtagtaa	gaacatgtca	agagtgcctt	tcttcaaacc	660
tgncagctca	actganqaaa	qacaggtact	tccattgc			688

<213> Homo sapien

<223> n = A, T, C or G

cctaaatgtgt	ctccagccca	cacttccagg	tggcagagcg	agctctctat	tactggaata	60
atgaatacat	catgagttta	atcagtgaca	acgcagcgaa	gattctgccc	atcatgtttc	120
cttccttgta	ccgcaactca	aagaccatt	ggaacaagac	aatacatggc	ttgatataca	180
acgccctgaa	gctcttcatt	gagatgaacc	aaaagctatt	tgatgactgt	acacaacagt	240



```
<210> 646
<211> 447
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(447)  
<223> n = A,T,C or G
```

```
<210> 647
<211> 388
<212> DNA
<213> Homo sapien
```

```
<210> 648
<211> 632
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G
```

<400> 648



```
<210> 649
<211> 300
<212> DNA
<213> Homo sapien
```

<400> 649

```
<210> 650
<211> 498
<212> DNA
<213> Homo sapien
```

<400> 650

<210> 651



<211> 654  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(654)  
 <223> n = A,T,C or G

<400> 651

ctgaggggtcc	ccaggttttct	aaagctctca	ggacgagaaa	gtaggtccca	agataaggag	60
cctaaagggc	ttttttcttt	ctgtgtattc	cttcttg gcc	tccaacatgg	gtacagtcac	120
aagagcatgt	aacagagaag	aaggactana	cctaccatth	tctggataaa	gaattggaaa	180
gaggatccac	aggtaaccaa	aaagtaccag	ggaaatggca	gagaaggaaa	acctcaggag	240
accaacctca	taagtgggat	ttattagngc	ctgggctcaa	atccaaattg	tacatgaata	300
tgtctgggtcc	tagatagggg	accgaagact	ttgaaagtga	atthttgggt	atcattgccc	360
agattccaga	ctggntattg	tgtgacacaa	catacaggat	atatctgaat	agtgctcaga	420
agagtttgaa	aatgcaaatt	atattaaaa	aaagatgaaa	aagagaaaag	tggtcagaac	480
ttgtggacat	aacctttctg	gatctgtngc	ctgattaaaa	aatagttgat	attctcgaat	540
gaattaaaac	aagattttaga	gactgagcat	ggtagctnat	tcttgtaatc	caacnctttg	600
ggaggggcaag	gcaanagaat	tgcttgcgcc	caggagtttt	gagaccagct	tggg	654

<210> 652  
 <211> 293  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(293)  
 <223> n = A,T,C or G

<400> 652

ngtctgttgc	actgaggtga	ctaaggatac	atthttgagga	agtagtcca	agaacatttc	60
cattttcact	gtgccttcac	atacatctaa	tggaaatgaa	cagcaccctt	catccatcca	120
cggagcgcgt	taagaaaagg	gtgggatgga	aaaattaacc	caacaatatt	agatcaatac	180
gtagtattta	agngtccata	atgtgccagg	ctgaagatgc	acgggaaaac	cacactagcc	240
ggctctgtcaa	gggcttgaga	ataccataaa	caagaaaaca	gacgaaccaa	ttt	293

<210> 653  
 <211> 294  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(294)  
 <223> n = A,T,C or G

<400> 653

ngtccaccac	tgcagcccta	catacagttg	aaaaaaaaatt	ccattctgtt	aacatttggt	60
------------	------------	------------	-------------	------------	------------	----



```
<210> 654
<211> 250
<212> DNA
<213> Homo sapien
```

```
<210> 655
<211> 494
<212> DNA
<213> Homo sapien
```

```
<210> 656
<211> 477
<212> DNA
<213> Homo sapien
```

<210>	657
<211>	576
<212>	DNA



<223> n = A,T,C or G

cctctacctg	tanatcacta	tttttctaaa	gacaatttgg	tgttttgaag	ataaatgtca	60
ttagtctatg	ataatagcat	cataggacaa	ttagccattt	tagacttgac	catattttct	120
cttttttagca	tatagccatc	ttgatattta	ggtagggagac	tactccaatg	gagcaacagt	180
ttcattttac	atgattggat	ttagaaattt	acaaatttta	aactcataag	aattctaaat	240
aatttgaaaa	tggaaacatt	tgaccacag	tctagcagca	taaatacatt	tataaaaatac	300
ttcattgttg	atcttaggtc	attgatttaa	aacagaattt	ggtgactatg	ggcaggtgga	360
gggggccagt	gaggaaggta	taaaagagaa	atctttatga	attgtgttca	gattgatttt	420
gtataaacat	aatatattca	tggttgtatc	tcttatttat	aatacccaac	taacatgaag	480
gtggccaag	ggaaggatca	atatttttaa	taacatattt	gcttaaaata	tcatacagtg	540
gctgcttcac	aaaaaatctt	ataaaccttt	attacc			576

<213> Homo sapien

<223> n = A, T, C or G

cctgaaaaaga	aagntgctct	tatggactct	tgcattgttaa	gactatgtct	tcacatcatg	60
gtgcaaatca	catgtaccca	atgactcggg	ctttgacaca	acaccttacc	atcatcatgc	120
catgatggct	tccacaaaagc	attaaacctg	gtaaccagag	attactgggtg	gctccagcgt	180
tgttagatgt	tcatgaaatg	tgaccacctc	tcaatcacct	ttgagggcta	aagagtagca	240
catcaaaaagg	actccaaaat	cccataccca	actcttaaga	gatttgtcct	ggtaacttcag	300
aaagaattttt	catgagtgtt	cttaattggc	tggaaaagca	ccag		344

<213> Homo sapien

ctgctttccc	tgctaaacag	ttccagagca	aaagcagcaa	aaagaaaata	tgggagggat	60
atgggcaacg	tatactcgaa	cgtagcgaga	gaagagagta	cggttagctc	taatatttct	120
cattgaactt	ggtggtatgt	gccttccttg	catataaggc	catagtgcct	ttttgggagc	180
gctagaatat	ccatccactt	gacagtgacc	acaaaatagg	ctgtttccag		230

<212> DNA



<400> 660

<210> 661

<211> 535

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$ 

<221> misc feature

$\langle 222 \rangle$  (1) ... (535)

<223> n = A, T, C or G

<400> 661

ctgaaccata	tctgattaac	tcttttggtct	ctgttattgg	aacaaaaccg	acgctatgcc	60
tgcagccgcc	agactgcaac	caaaaaacaca	gtttgggggtc	agaagacatt	aaaaatcaca	120
ataaaatagg	atgaatgttc	taagtcacgc	aactgaatca	aggcaccttt	ttttttcaaa	180
agcaaaaaagt	tgtttaacaa	tattccagaa	tagtagatac	ttcaaaaacc	agattacagt	240
atatatcatt	ttgctgcaca	ttttagtcta	ttttctgtat	acatagtcac	acattcttta	300
ccctctccca	acttatacat	gctttatccc	cccagtcatg	tgctatgtag	gtataaaaaa	360
ataaaagtgt	atctaaacaa	gtgatttaaa	aaaaaaaaact	aacgaatgcc	ncnatnataa	420
cnctgaactt	gtttccctnt	tgaaggacat	tggaaatgtt	accgaggtn	ntttacctng	480
gccgcaaccn	cnctangggc	naattccagc	ncactggggg	cgttactag	gggat	535

<210> 662

<211> 257

<212> DNA

<213> Homo sapien

<400> 662

cctgactaaa	gcacatatca	cactccctac	acttccatgt	tttctctccc	atgtggaccc	60
tctgatgcat	atcaagattc	aagcgctgt	tgtagccctt	cccacagtcc	tcacatttgt	120
atggcttttc	tacactgtga	actttttctt	gcactttaga	gaatgaattc	tgracaatgt	180
tcttcccatg	ctgctcacat	ttgagagggtg	tttctctgct	gtggcgctctc	tgatgggtca	240
gacgagttga	ggaccag					257

<210> 663

<211> 516

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

<222> (1) ... (516)

<223> n = A, T, C or G

<400> 663

ccaattatag qtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60



```
<210> 664
<211> 212
<212> DNA
<213> Homo sapien
```

```
<210> 665
<211> 408
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(408)  
<223> n = A,T,C or G
```

```
<210> 666
<211> 635
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (635)
<223> n = A,T,C or G
```

<400> 666  
ctgaagnaca agggctcaggc aaaaataaaga tcacaatcac caatgaccag aatcgcttga 60



```

cacctgaaga aatcgaaagg atgggttaatg atgctgagaa gtttgctgag gaagacaaaa 120
agctcaagga ggcgattgat actagaaatg agttggaaaag ctatgcctat tctctaaaga 180
atcagattgg agataaagaa aagctgggag gtaaacccttc ctctgaagat aaggagacca 240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttggt 480
aggaaaaaat tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggg 540
gttgaaactg ctatagccta agcnggctgt ttactgnttt ncattagcag gtgctcacca 600
tgtctttggg gtggngggg ggagaaagaa agaan 635

```

```

<210> 667
<211> 388
<212> DNA
<213> Homo sapien

```

```

<400> 667
gaaggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcagggttag aacaatttcc cctgtaagtt ctccacacaga taggcagaaa tcataactaa 120
ttttgggttaa tctactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtggttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

```

```

<210> 668
<211> 498
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (498)
<223> n = A,T,C or G

```

```

<400> 668
tgatcttaac aaaattcgta gcagtggaac cttgaaatgc atgtggctag atttatgcta 60
aaatgattct cagtttagcat tttagtaaca cttcaaagggt ttttttttgt ttgttttcta 120
gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaattt cccatttgta 180
ttttattttc ttgaatactt ttttcatagt tattcgttta aaaagattta aaaatcattg 240
cactttgggtc agaaaaataa taaatatatc ttatgaatgt ttgattccct tccttgctat 300
ttttattcag tagattttttg tttggcatca tgttgaaagca ccgaaagata aatgattttt 360
aaaaggctat agagtccaaa ggaatgttct ttacaccaa ttcttccttt aaaaatntct 420
gaggaatttg ttttcgcctt actttttttt cttctgtcac aatgctaagn ggtatccgag 480
gtntttaata tgagattt 498

```

```

<210> 669
<211> 622
<212> DNA
<213> Homo sapien

```



&lt;400&gt; 669

ccttagccaa	agaatgcagt	ggagccttcc	cccttcaact	gcattgtgaa	tgaataccaa	60
ttaacagcat	aaaaattaat	agtcccatat	cagatctgga	aggggtttct	ggggctgtct	120
gatgtcccta	tcctgtttga	gtgaacacaa	tagcagaaaa	ttctttctgg	gtccatctgc	180
tataaagtct	tggtaaaaca	gcattactat	gaagaggatg	aactcaccta	ccttcagatg	240
gaggaaaagt	gaaaaggact	taggcttttag	tcctccatga	cttttcttaa	gcactaccta	300
cctgtaataa	gctgagtgca	aaaggatgcc	gaagaaaatc	tgcacccaga	agctgttaga	360
aagcactgca	gagaacaggg	tatgaagaaa	ataaagagtt	cttaataaac	ccttaagatt	420
ctttgttcaa	ggtaaccttg	ccaaaagggc	agagtaggtg	gcaaagagtt	gcttttaatc	480
tagctctaca	ctgcatttga	aaataaaaatt	tgcccatttt	gaatatattg	tttataatta	540
aatgtgcttt	ttacactgca	ggtcaatata	aaaactgggt	agtaaatttc	cagcgagcat	600
ttatgttcat	ttgctcacag	ca				622

&lt;210&gt; 670

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 670

ttggggccctc	tagatgcatg	ctcgagcggc	cgccagtgtg	atggatatct	gcagaattcg	60
cccttgccgc	ccgggcaggt	gatggatgag	gagcaaaaac	tttatacggg	tgatgaagat	120
gatatctaca	aggctaataa	cattgcctat	gaagatgtgg	tcgggggaga	agactggaac	180
ccagtagagg	agaaaataga	gagtcaaacc	caggaagagg	tgagagacag	caaagagaat	240
atagaaaaaa	atgaacaaat	caacgatgag	atgaaacgct	cagggcagct	tggcatccag	300
gaagaagatc	ttcggaagaa	gagtaaagac	caactctcag	atgatgtctc	caaagtaatt	360
gcctattttga	aaaggttagt	aaatgctgca	ggaagtggga	ggttacagaa	tgggcaaaat	420
ggggaaaggg	ccaccagget	ttttgagaaa	cctcttgatt	ctcagtctat	ttatcag	477

&lt;210&gt; 671

&lt;211&gt; 127

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 671

gtgtgtgtgt	ctacttgggc	gtgtttaacg	tgtgcgtttg	tgtctgcgtg	tgcattgtgtc	60
tgtgtgtgcg	cgtgtatttc	agtttggggt	gccggatccc	atatgattgc	gtgcctgtgt	120
acctgag						127

&lt;210&gt; 672

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 672

gggtctgcac	agctatgtta	acagcatcct	tataccagga	gtaggaggaa	agacacgact	60
ggaaaagcaa	ttcaagctgg	tcacacagtg	taatgcaaaa	tatgtggaat	gtttcagtg	120
tcagaaagag	tgtaacaaag	aaaagaacag	aaactcttca	gttgtgcat	ctgagcgtgc	180
tcgagtgggt	cttgacccat	tgcttggat	gaaaggaaca	gattacatta	atgcttctta	240
tatcatgggc	tattatagga	gcaatgaatt	tattataact	cagcatcctc	tgccacatac	300
tacgaaagat	ttctggcgaa	tgatttggga	tcataacgca	cagatcattg	tcattgctgcc	360
agacaaccag	agcttggcag	aagatgagtt	tgtgtactgg			400



```
<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G
```

```
<210> 674
<211> 140
<212> DNA
<213> Homo sapien
```

```
<210> 675
<211> 245
<212> DNA
<213> Homo sapien
```

```
<210> 676
<211> 621
<212> DNA
<213> Homo sapien
```

<220>



<400> 676

<210> 677

$\langle 211 \rangle$  210

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (210)$ 

<223> n = A, T, C or G

<400> 677

<210> 678

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (383)$ 

<223> n = A, T, C or G

<400> 678

gtaggagtca	ggtagttagg	gttaacgagg	gtggttaagga	tggggggaat	tagggaagtc	60
agggttaggg	tggttatagt	agtgtncatg	gttattagga	aaatgagtag	atatttgann	120
aactgattaa	tgtttgggnn	tgagttnnta	tatcacagcc	anaattntat	gatgnaccat	180
gtancgaaca	atgctacagg	gatgaatatt	atggagaagt	antctanttt	gaagcttagg	240
gagagctggg	ttgtttgggt	tgngggtcan	tgtcagttcc	anataataac	ttcttgggtct	300
aggcacatga	atattgttgt	ggggaanaga	ctgataataa	aggtggatgc	gacaatggat	360
ttacataat	qggggtatna	ggt				383



<400> 679

<210> 680

<211> 176

<212> DNA

<213> Homo sapien

<400> 680

<210> 681

<211> 152

<212> DNA

<213> Homo sapien

<400> 681

<210> 682

<211> 141

<212> DNA

<213> Homo sapien

<400> 682

<210> 683

<211> 308

<212> DNA

<213> Homo sapien

<400> 683



```

ccagcaatgg tacagagtga ggggtgttctg ctaatgactt cagagaagta ttttaagaaaa    60
acatagaaaa acgtgtgCGG agtttgccag aaatagatgg cttgagcaaa gagacagtgt    120
tgagctcatg gatagccaaa tatgatgcca ttacagagg tgaagaggac ttgtgcaaac    180
agccaaatag aatggcccta agtgCagtgt ctgaacttat tctgagcaag gaacaactct    240
atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg    300
catgtcag                                     308

```

```

<210> 684
<211> 277
<212> DNA
<213> Homo sapien

```

```

<400> 684
tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa    60
ataggttgtt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgt    120
gggtggttgt gttgattcaa attatgtgtt ttttgagag tcatgtcagt ggtagtaata    180
taattgttgg gacgattagt tttagcattg gagtagggtt aggttatgta cgtagtctag    240
gccatatgtg ttggagattg agactagtag ggctagg                                     277

```

```

<210> 685
<211> 457
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

```

```

<400> 685
ctgtggcgtn ccctacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa    60
agaaacaggt cgctgaaaac taaaatgtcc acatccctaa ctggycaacc acatcaaccc    120
caaaaggttg aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac    180
acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac aagttgtaaa    240
atacgtttcc attccttttg attttgcata tgatggtttt gcatcagtca ctgcaggtag    300
attgagcaag ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga    360
atagattaat actccctttt tatcactaca gttagctaaa aaattgccag gcagtccaca    420
aaacagaatt tgctttaaga ccaaccaca gagtcag                                     457

```

```

<210> 686
<211> 234
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

```

```

<400> 686
ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac    60

```



```
<210> 687
<211> 315
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G
```

```
<210> 688
<211> 522
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1) ... (522)  
<223> n = A,T,C or G
```

```
<210> 689
<211> 158
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(158)
```



caggaaatgg	ataaccattt	taactgtatt	ttttgcagcc	cgtaccttct	tgggaataca	60
attgtctaac	tttttathtt	tgggtctggct	gttgtgggtgt	gcaaaaactcc	gtacattgct	120
attttgccac	actgcaacac	cttacagatg	tgggaagatgt	gaaatttgtc	atcaattatg	180
actaccctaa	ctcctcagag	gattatatct	atcgaattgg	aagaactgct	cgcagtacca	240
aaacaggcac	agcatacact	ttcttttacac	ctaataacat	aaagcagggtg	agcgacctta	300
tctctgtgct	tcgtgaagct	aatcaagcaa	ttaatcccaa	gttgcttcag	ttgggtcgaag	360
acagagggtgc	aggtaaggat	gactgatagg	aaatgttggt	agttacgagt	cacatcgttg	420
tctacaaatc	cattttaaatg	qtattggagg	gtgagtaaaa	ccttgaatgt	gaaaacttaa	480



```
<210> 693
<211> 275
<212> DNA
<213> Homo sapien
```

```
<210> 694
<211> 397
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G
```

```
<210> 695
<211> 609
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G
```

<400> 695						
ctgagcttcc	atttgtcagc	tagcactgng	gtagtcaacc	atgcgaatga	ggctatttttg	60
gacctcatga	ttgtccagtg	cctgggctga	taccgnngga	aacgaaattt	tgtggctgcc	120
cacaaaatca	tggaaaataa	tgatttttta	gaaaacctcc	actgntttgt	tgtgcagcaa	180
taaataactg	aaacaccaat	ccaaaaaact	tataaagcta	taacaattaa	aacagnataa	240
taatagtnc	gggatacaaa	aatgggtcaa	ttgaagagga	tacaaagcct	caaagcagtc	300
ctcactcata	ananccttgt	tgtatcacta	aaanggcatt	aaaattgaga	anaaggaana	360



```
<210> 696
<211> 300
<212> DNA
<213> Homo sapien
```

```
<210> 697
<211> 391
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(391)  
<223> n = A,T,C or G
```

```
<210> 698
<211> 536
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (536)
<223> n = A,T,C or G
```

<400> 698						
ctgagcatac	agcaataaaa	ataacataat	ttttatgtgt	acaatattta	tggaatacgt	60
tactggaaca	gataaataat	ttagttaata	acatgacaaa	gaacagaaat	tgtatacact	120
atacagcata	gtaatagaat	aatgaatgat	taaagttatt	aatattaggt	agaaaatgaa	180



```
<210> 699
<211> 419
<212> DNA
<213> Homo sapien
```

<400>	699						
acctg	agggcaggtg	acaaggacct	gacagagccc	atgcagggct	ttagatttgg		60
caaga	gttgataact	tcctcatgaa	ctccttgcc	gatctaaact	catattatgg		120
gactg	tttgagtaat	catcttcaag	gttaaaccct	ttggcagtta	cccttttcac		180
gcaca	gtgggaatcg	agaatcgata	gggttaattt	tggagcagtg	gcttatacca		240
ctctg	tttttttgtg	attatttcac	agataatgag	accttaataa	caaataggcg		300
aaatt	ttcacattga	aatgatagaa	acatttgatg	taataaaaact	tggttggctt		360
tttaa	ggaattgaaa	cctagcaatc	ttattggaga	gacaagaatt	gggtctccag		419

```
<210> 700
<211> 336
<212> DNA
<213> Homo sapien
```

```
<210> 701
<211> 418
<212> DNA
<213> Homo sapien
```

<400> 701						
ccatgtgatg	atgttgacaa	ccccctgaaga	gcctcagtc	attgttccac	gtttaagaac	60
taggaatacc	aggactgatg	caattctact	gggtcactat	cgcttgtcac	aagacacaga	120
caatcagacc	aaagtatttg	ctgtaataac	taagaaaaaa	gaagaaaaac	cacttgacta	180
taaatacaga	tattttcgtc	gtgtccctgt	acaagaagca	gatcagagtt	ttcatgtggg	240
gctacagcta	tgttccagtg	gtcaccagag	gttcaacaaa	ctcatctgga	tacatcattc	300
ttgtcacatt	acttacaaat	caactgggtga	gactgcagtc	agtgcctttg	agattgacaa	360



```
<210> 702
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G
```

```
<210> 703
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G
```

```
<210> 704
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
```

<400> 704						
ngtntgaatt	ctattaaaga	tacaaagagg	agctggtacc	atttcttctg	aaactattac	60
aaacaactga	aaaggtggaa	tttctcccta	attcatttta	ggaggccagc	attatactga	120
taccaaaaacc	tggcagaggt	acaataataa	aaggaaactt	caagtcagta	tactgatga	180
acaccaatgt	gaaaatcctc	aataaaatac	tggcaaactg	aattcagcag	cacatcaaaa	240



```
<210> 705
<211> 477
<212> DNA
<213> Homo sapien
```

```
<210> 706
<211> 266
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G
```

```
<210> 707
<211> 358
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G
```

<400> 707						
ccatcagaga	aatgcaaadc	aaaaccacaa	tgagatacca	tctcacacca	gttagaatgg	60
caatcattaa	aaagtcagga	aacaacaggt	gctggagagg	atgtggagaa	ataggaacac	120
ttttacaccg	ntgggtgggac	tgtaaactag	ttcaaccatt	gtggaagtca	gtgtggcgat	180
tcttcaagga	tctagaacta	gaaataccat	ttgaccacgc	cggccaatat	tcaacattct	240



```
<220>  
<221> misc_feature
```



gagggtctgta	naatgccagg	ctcaaatttg	tctttataat	ttaataccag	aaatctttcc	60
cttgtgatgt	ttctttcttt	ctggattgcc	tctatagcag	gggatagcgg	gggaggataa	120
ggcacatctt	tgntgtactg	agaaaattga	ccacgcagga	tgatgtggct	gttctcattc	180
atctgcacag	agaaaaataa	tgataaaaata	tccctttcct	atgtttactg	attttatggc	240
tgccataatg	gaagcctcct	tgactattta	atcctttctg	tcaactaggt	tcgatttttt	300
ttttaattta	cctgttagag	gtatttaana	attttaacta	gctanaaata	attacattcc	360



```
<210> 713
<211> 518
<212> DNA
<213> Homo sapien
```

<400> 713						
aactg	gaagcagctc	actaaacaaa	cagtggcata	cccatagaac	tgcatacttc	60
agtat	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaaa	120
acatg	aanaaaccca	aagggganaa	acataaaaaac	tttatatgtc	agtcataataa	180
anaa	aatgcaaact	aatccatcnt	aaaggaaaagt	aaatcaacag	ttgtctggag	240
anag	agcaggagga	ganagattat	taaaggggtt	aaagtaaatt	tgggagtgcc	300
at	taaatnctat	gaaaatgaaa	gtaaaggcnc	atgcatgttg	taaactaata	360
aaaca	naatgggttg	gagtggggtg	ttgtctgggg	acatcattac	aaaatgtaag	420
ctatn	taaattttga	aaagaccgtg	gactctgatac	tgactgatna	atgttggaag	480
agtgt	gctgcaaagt	ggggaattaa	taaaacag			518

```
<210> 714
<211> 281
<212> DNA
<213> Homo sapien
```

<400>	714						
ccaattgatt	tgatggtaag	ggaggggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt		60
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacggtttct		120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg		180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaagggtg		240
ataagctctt	ctatgatagg	ggaagtagcg	tcttgtagac	c			281

```
<210> 715
<211> 443
<212> DNA
<213> Homo sapien
```

<400> 715						
cttgaatca	gcaacacact	tacaaatgag	aaaatgaaaa	tagaagagta	tataaagaaa	60
gggaaaagg	attatgaaga	gagtcatcag	agagctgtgg	ctgcagaggt	atccgtactt	120
gaaaactgga	aggagagtga	agtgtataag	ctacagatca	tggagtcaca	agcagaagcc	180
tttctgaaga	agctggggct	gattagccgt	gatcctgcag	catatcccg	catggagtct	240
gatatacgtt	catgggaatt	gtttctttct	aatgttacaa	aagaaattga	gaaagcaaa	300
tctcagttt	aagaacaaat	taaggcaatt	aaaaatgggt	cccggtcag	tgaactttct	360
aaagtgcaga	tttctgagct	ttcatttcct	gcctgtaaca	cggttcaccc	cgagttactc	420



443

<400> 716

```
<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G
```

<400> 717

<400> 718



```
<210> 719
<211> 255
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G
```

```
<210> 720
<211> 455
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G
```

```
<210> 721
<211> 530
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G
```



ccagtgcttg	ctgccgtggt	ttagtgattg	ggtgttagaa	ataaaaactc	aggtctattt	60
cttaccagtc	agtaacaatt	tttagagaat	gtacttggta	tataatat	ggacttcagg	120
aactttattg	ggngggggg	ttaattttgc	cttaccctgt	tcactttcag	atgattaggc	180
ttttgcactt	tagaatgaga	aacttgtgac	gttagtgtgt	tcttactagc	tttaatttgt	240
atgtagcaat	gaatttgtgaa	tcttagtgca	gtgggttttt	ttaaaaaact	caaaaagctg	300
ggaattaagt	ggtttcagta	ataatgctat	accgaggtgc	ttgcattgta	tttcataatt	360
ttgttacaaa	ccaaaattat	ttttaatgan	aacggtcttg	ggttcagagg	tgtgatgcca	420
gaatgtat	tcgtactgtt	aggcccttgg	aacagatacc	ggtgctttct	tgaaagatga	480
aagaaaatgca	atgggtgctc	ttcatgcaag	gttgcaaacc	taccaagaat		530

<213> Homo sapien

<223> n = A, T, C or G

ccaagggtca	tgatggcagg	agtaatcana	ggtgntcttg	tgttgtgata	agggnggaga	60
ggttaaagga	gccacttatt	agtaatgttg	atagtagaat	gatggctagg	gtgacttcat	120
atgagattgt	ttgggctact	gctcgcagtg	cgccgatcag	ggcgtagttt	gagtttgatg	180
ctcatcctga	tnagaggatt	gagtaaacgg	ctaggctaga	ggtggctaga	ataaatagga	240
gg						242

<213> Homo sapien

<223> n = A, T, C or G

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttctctag	tgtccaaaga	60
gccgttcctc	tttggactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aattttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgctc	nacctataaa	tcttcccact	attttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggnttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgcg	tactatatct	attgcgccag	gtttcaattt	420
ctatcgcta	tactttattt	gggtaaatgg	tttggctaan	gttgtctggt	ag	472

<211> 292







<400> 727

```
<210> 728
<211> 416
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(416)  
<223> n = A,T,C or G
```

<400> 728

```
<210> 729
<211> 564
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G
```

<400> 729

ctgtgagtag	aggagtcttc	ccgagagtag	cagttgttga	tccaaatgat	tgaagccttc	60
aggtaaggga	ataactgctg	caggaattct	ttcttgaaga	atttaagctg	tttggaaga	120
attctgtaac	tacatacctt	tgaaacacta	ttcacattca	aataaacgct	tgttttctag	180
ccaggcacag	gctcaattag	tttttcaaac	tctagccaag	gcagtatttc	atttgggaaa	240
tcatgcaaca	gaactgctca	attcttaact	tctcctgctg	ttaacattta	cacttagact	300
gccagcaaca	gttaacttaa	attttggtct	caagggaaca	aaaaaaaaatt	gcattcagaa	360
tttaatatag	tatttttaaaa	ctaatttttag	cctgtaagnc	attatgagca	atagtaactt	420
ttatacctcc	tcatcttgnc	tgataatata	ttctatatgc	tgncaatctg	attatatagt	480



ctatatgcta gaagttgctg attttcattc tgccaccaa aaaaactgtc cttttttttt 540  
tatgggggaa aaaggaatt taaa 564

<210> 730  
<211> 310  
<212> DNA  
<213> Homo sapien

<400> 730  
ccatttttat ttcttcttca gagaagtgtt tatttaggtc tgttgcccat ttacaatta 60  
ggccatatgt ttcttgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac 120  
cccttatcac acgtatgttt tttaaaataa attttgctta ttaatctttt atcagatgta 180  
tggtttccaa atatattctt ccgatccatg gattctcttt ttgtttatga ttgtttcttt 240  
gctcttcgga agctttttgt ttgtttttgt tatttgtttt actttgatat agtcccattt 300  
attgtttttg 310

<210> 731  
<211> 467  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(467)  
<223> n = A,T,C or G

<400> 731  
ngacaacctt agccaaacca tttaacccaaa taaagtatag gcgatagaaa ttgaaacctg 60  
gcgcaataga tatagtaccg caaggggaaag atgaaaaatt ataaccaagc ataataaagc 120  
aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180  
gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240  
cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaaacc taccgagcct 300  
ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc 360  
ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta 420  
ggaaaaaacc ttgtagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 732  
<211> 492  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(492)  
<223> n = A,T,C or G

<400> 732  
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60  
gctgttcctc ttggactaa cagctaaatt tacaagggga tttagagggg tctgtgggca 120  
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180  
ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240







```
<210> 736
<211> 285
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G
```

```
<210> 737
<211> 509
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (509)
<223> n = A,T,C or G
```

```
<210> 738
<211> 97
<212> DNA
<213> Homo sapien
```

<400> 738  
cagtgaattg aatacgactc ctatagggcg aattggggccc tctagatgca tgctcgagcg 60  
gccgcccaqtg tgatggatat ctgcagaatt cgccctt 97



```
<220>  
<221> misc_feature  
<222> (1) ... (209)  
<223> n = A,T,C or G
```

```
<210> 740
<211> 164
<212> DNA
<213> Homo sapien
```

```
<210> 741
<211> 514
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (514)
<223> n = A,T,C or G
```

<210>	742
<211>	439
<212>	DNA



<223> n = A, T, C or G

gcaggtccta	tgcatagtta	ataagggnta	taatctactc	aacatggaaa	atgggagcct	60
atttgcaaac	acacgagtaa	ttaaagtacc	aattctctct	tagtttcttt	ttttatagtt	120
ggnttatttt	gcaattataa	atgntaaaca	tccttagaga	tgaaagttaa	aatggctgat	180
cacagatcag	tagcaaaata	caaattgaca	attcaaaatt	ataaataaaa	ctctgttgag	240
gatgtttaac	tttgagcctc	caaatttaag	agctaagctt	ggaagaaaca	aatttatagg	300
ttatatttcc	ctcttaaatt	aaaaaacaaa	cttcctctgg	cagtagnttg	tgaattcctt	360
tcattgnaat	gataccatga	ttacaggatc	aaaaatgctt	aacttacttg	ccattctgct	420
cacatcatca	caqttgttt					439

<213> Homo sapien

<223> n = A, T, C or G

cangacgcta	cttccctat	catagaagag	cttatcacct	ttcatgatca	cgccctcata	60
gtcattttcc	ttatctgctc	cctagtccctg	tatgcccttt	tcctaacact	cacaacaaaa	120
ctaactaata	ctaacatctc	agacgctcag	gaaatagaaa	ccgtctgaac	tatcctgccc	180
gccatcatcc	tagtcctcat	cgccctccca	tccctacgca	tcctttacat	aacagacgag	240
gtcaacgata	cctcccttac	catcaaata	attgg			275

<213> Homo sapien

<223> n = A, T, C or G

ctgtgctttt	aaaaaatctg	gatgtttttt	atttagtgat	tgttcgacaa	ttagctgctt	60
caaaacataa	tgtgcattgc	ttatgaatgc	cttcatatac	taatacacagat	actctgataa	120
tattacactc	taataaggat	aatgctgaat	tttgaaagga	cacaaaacat	ctaatagccaa	180
tatatacatg	attagccaac	atctttgcta	tcaagaccac	tcgttttttaa	ataaagatgc	240
aaqtgtcaqt	tgtagattat	tgggatgaag	ctaaatcccc	agaatgcagc	agcag	295



```
<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G
```



&lt;400&gt; 747

cctcagttct	tgattgtggt	tgacggggcg	tcaccatgaa	ggagcccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcatagg	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctttctc	cacctctctc	tcccagagtg	180
aaaacaaatc	cttttgctga	tacttgtttc	aaaagcatcc	attgtaaagc	ttctcagtga	240
cacaaaatac	tgagaggtaa	ctttttatca	atcaaaccac	ataccccaat	ttaacacctt	300
tcagtgtctc	gaattcaact	gacagactaa	agggtgtttc	ctgtaacagt	ctgaaatatt	360
aagtgttttt	tttgttttgt	ttttaaatct	tatttcagaa	aacttcctct	nggggtagga	420
aagtacacat	gaagcagcaa	agtaacgaag	aaaaac			456

&lt;210&gt; 748

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (474)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 748

ccanaccagg	gaaccaaag	cagacagnga	agttctctgc	ttcttttggc	tataatgnga	60
caagaaaggg	atcatctttt	gaagatgttt	aaagaaataa	agcaactttc	tttataaaca	120
gtcaaataat	caattaatgg	aataaataag	tactaaccce	cattttaacc	actctgtaat	180
cactacactt	tacatatttt	ttatttnggn	ggcaaantcc	cccataatta	gtctaaaatc	240
caccaatcac	ttttaaaagt	aaaatgaata	gccaccaaaa	taagaaaatc	ttctgttcac	300
tctttggcta	aaaaggaaaa	caaataaaac	aaaacaaaaa	gaaacagaag	acaactgtaa	360
cactggtgat	aaaagaaact	ttttttttac	aagtaaaata	aagttatcaa	tttaaatctt	420
ggncacttta	taaaaacaag	aggtaatgtt	gtaataaaac	agcagtagcc	tcag	474

&lt;210&gt; 749

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (355)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 749

cctgggtnna	gnggctgact	gnaacctcca	cttctgttgc	tcaggcaatc	ctcctgcctc	60
agcctcctta	gtagctggga	ctacaggagt	gtgcaaccat	gcccacttaa	tttttgtatt	120
tttaatagag	acagggtttc	accatgttga	tcaggttggg	ctccaactcc	tgacctcagg	180
tgatccacct	gtcccagcct	cccaaagtgc	tgggattaca	ggcatgagcc	accacgcccg	240
gnccaggata	aagtaaaaaat	ttgtaagcac	acaaggccct	ttgcaacctg	gctcctggtt	300
actactttta	ncctcctgcc	ctcccaaagt	tnctcactgt	ttttctanac	atacc	355

&lt;210&gt; 750

&lt;211&gt; 493

&lt;212&gt; DNA



<223> n = A, T, C or G

ccatgctggt	ctcgaactcc	tgaactcagg	tgatccaccc	gcctcagtct	cccaatagat	60
tacatatatt	attaatgaat	tgcttccttt	aacaccctat	tcattgaatt	ttccagtaaa	120
ccacaattac	taattactcc	tgaaatcaga	aaagaggtta	aaaagatttt	ataacagtat	180
cctatgaaat	ctactacttt	caagtaatag	tagttgaatt	acccaaaccc	gtcactcaag	240
ccaatgacta	caattaagat	atgagtaaca	tttcctagat	aaataaaagtc	aattaattat	300
atttgcatt	gggaaataga	gaaagtacat	ataagccatg	attttgaagn	caaaagagag	360
agantatttg	ccaaggaggg	gtgagttata	gtatgttaatt	ataacataca	gaagcttttt	420
gtatgctggt	aactaatttt	aatttcctac	attnttatgg	agatttctgc	tattcttgtc	480
ctattttcca	cct					493

<213> Homo sapien

<223> n = A, T, C or G

cgaggtctgg	naaggtcacc	aagtctgccc	aganagctca	gaaggctaaa	tgaatattat	60
ccctaatacc	tgccacccca	ctcttaatca	gtggtggaag	aacgggtctca	gaactgtttg	120
tttcaattgg	ccattttaagt	ttagtagtaa	aagactgggt	aatgataaca	atgcacgta	180
aaaccttcag	aaggaaaagga	gaatgttttg	nggaccactt	tggtttttctt	ttttgcgtgt	240
ggcagtttta	agttattagt	ttttaaaatc	agtacttttt	aatggaaaca	acttgaccaa	300
aaatttgtca	cagaattttg	agaccatta	aaaaagttaa	atgagataaa	aaaaaaaaan	360
cntg						364

<213> Homo sapien

<223> n = A, T, C or G

ctggattatg	ggttggnatt	ggtcatatgt	tagactccat	acaggcatag	ctatgatgca	60
gtgaatccct	tagaagttac	aattctcaaa	ttacatactt	cctcagatgt	aacattagaa	120
ctcaatattt	ctaacaataa	cataccagaa	aaggctggac	tggcactcat	ctgctgacta	180



```
<210> 753
<211> 467
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G
```

```
<210> 754
<211> 196
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G
```

```
<210> 755
<211> 381
<212> DNA
<213> Homo sapien
```

```

<400> 755
ctggaagga ttctgtacat ataagacatc aaatattgag ggatactgga acttttaaat      60
taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaaactagt aatatgatta    120

```



```
<210> 756
<211> 341
<212> DNA
<213> Homo sapien
```

<400> 756						
ggntataaac	ctattatttta	ttgcagaact	aataaaaaaat	ccaaagcctt	gtattttgtac	60
atctttatta	tctctaaagc	actttcctca	acctaatttc	agttttttaca	attgggtactc	120
aagaaaaatag	agacagaaat	cattttgattt	tgcccagaaa	ccatctgctt	atattttataa	180
ggccaccta	tttgaaatca	catatagacc	aggcgcggtg	gctcacgcct	gtaattccaa	240
cactttggaa	ggccaaggca	ggtggatcac	aagggtcaaga	gattgagacc	atcttggcca	300
acatggcgaa	accccgctctc	taccaaaaaat	acaaaaatca	g		341

```
<210> 757
<211> 479
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G
```

<400> 757						
cgcnttactg	tacatatattgc	tagcaggggag	acaactggaa	ataactaaaca	aatactggaa	.60
ttcacattac	agacagacga	aaccaacatg	gatgccacac	ataacttcct	ttgtagtttc	120
acagagagcc	tatttgtggt	tgctcaggtg	gggtcataca	ttgcttgacg	aaatggcctg	180
atcatagctc	tatgaaaaca	tgaattcgga	atgaaatcct	accatgacac	ctctctgtag	240
gaaaagaaatg	ttgcttcacg	tgtgctaagt	tgagataata	atatttcaca	tatttatata	300
cagagaaatca	ctctcaaatt	taacccaaga	taagcaatag	gatttggggg	tgacttgtnc	360
acattttctaa	caacactttt	cttttttcta	gaggctactc	tcaaacactg	atatatcact	420
atagnttgag	ngtaggggatt	caagtaatca	aaggttgtta	ttgcaaaaaga	gccaggcag	479

```
<210> 758
<211> 267
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc feature
```



<223> n = A, T, C or G

ccatgncatg	gtttatagat	agttgggtgg	gttggtgtaa	atgagtgagg	caggagtccg	60
aggagggttag	ttgtggcaat	aaaaatgatt	aaggatacta	gtataagaga	tcagggttcgt	120
cctttagtg	tgtgatggc	tatcatttgt	tttgaggtta	gtttgactag	tcattgttgg	180
gtggaatta	gtcggttgt	gatgagatat	ttggaggtgg	ggatcaatag	agggggaaat	240
agaatgatca	gtactgcggc	gggtagg				267

<211> 449

<213> Home

<221> misc feature

$\langle 222 \rangle$  (1) ... (449)

<223> n = A, T, C or G

cagaggtcttg	aaatcagcaa	cacacttaca	aatgagaaaa	tgaaaataga	agagtatata	60
aagaaaaggga	aagaggatta	tgaagagagt	catcagagag	ctgtggctgc	agaggatatcc	120
gtacttgaaa	actggaagga	gagtgaagtg	tataagctac	agatcatgga	gtcacaagca	180
gaagcctttc	tgaagaagct	ggggctgatt	agccgtgata	ctgcagcata	tcccgacatg	240
gagtctgata	tacgttcatt	ggaattgttt	ctttctaatt	ttacaaaaga	aattgagaaa	300
gcaaagtctc	agtttgaaga	acaaattaag	gcaattaaaa	atggttcccg	gctcagtga	360
ctttctaaag	ngcagatttc	tgagctttca	tttccctgct	gtaacacggt	tcatcccagag	420
ttactccctg	agtcttcagg	ccacgatgg				449

<211> 414

<212> DNA

<213> Home

<221> misc feature

$$\langle 222 \rangle \quad (1) \dots (414)$$

<223> n = A, T, C or G

ccatnaactg	gaagcagctc	actaaacaaa	cagnggcata	cccatagaac	tgcatacttc	60
tcagcagtag	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaa	120
atgccacatg	aagaanccca	agggggagaa	acataaaaaac	tttatatgnc	agncatataa	180
aattctagaa	aatgcaaaact	aatccatcnt	aaaggaaagt	aaatcancag	ttgtctggag	240
gaccanagag	agcaggagga	gagagattnt	taanggggtt	aaagtaaatt	ngggagtgcc	300
cttccatttt	taaatnctat	gaaaatgaaa	gtaaaggccc	ntgcatgttg	taaactaata	360
gtaacaaaaca	gattgggttg	gagtgggttg	ttgtctgggg	acatcattac	aaan	414

<211> 428



<212> DNA  
<213> Homo sapien

<400> 761  
gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaattgga 60  
atgattttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc 120  
tatcagtcac aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg 180  
aatctcaaga ggggtgaccat tgttgtttca gataccatcc ctaaggagag tgggttaacag 240  
gaagattgcc agtggtactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga 300  
cttacaccat agtttttaaa taaactgtca ggcattttct cagacagggt ttcctttttca 360  
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta 420  
catgcacc 428

<210> 762  
<211> 574  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1) ... (574)  
<223> n = A,T,C or G

<400> 762  
caggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga 60  
gttcgaagtg aaaacctggg ctcttttacca gtgttgagtg agaagattta tttctctttc 120  
ctctgaattt accacatgta acatcacaga gacatgtaga gttccttttag gatttgcgat 180  
ttgaaccagn ccagttctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct 240  
gaagacagaa ggaattaggg aaaaggggtga tacttacaga gtaaaggaaa taaatgaaaa 300  
gataatggta ttttttggtag ccacagggaa atagcaggag gggactggag atcacacaca 360  
cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa 420  
ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggcaag aatagaccag 480  
ttaaaattca cctgaaaatc tcttcccann cttcaaattgt gctaaaatat cactgtcagc 540  
ttagcatctc tncatgtatg tatatataga tgta 574

<210> 763  
<211> 465  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1) ... (465)  
<223> n = A,T,C or G

<400> 763  
cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag 60  
agctgttcct ctttgacta acagttaaat ttacaagggg atttagaggg ttctgngggc 120  
aaatttaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180  
tttgctgcct ctacctataa atcttccac tattttgcta catagacggg tgtgctcttt 240  
tagctgttct taggtagctc gtctgggttc ggggggtctta gctttggctc tccttgcaaa 300



```
<210> 764
<211> 151
<212> DNA
<213> Homo sapien
```

```
<210> 765
<211> 251
<212> DNA
<213> Homo sapien
```

```
<210> 766
<211> 375
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G
```

```
<210> 767
<211> 485
<212> DNA
<213> Homo sapien
```

$\langle 220 \rangle$



<400> 767

<210> 768

<211> 379

<212> DNA

<21.3> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (379)$ 

<223> n = A, T, C or G

<400> 768

ctgatattct	attaaagata	caaagaggag	ctggnaccat	ttcttctgaa	actattacaa	60
acaactgaaa	agggtggaatt	tctccctaat	tcatttttagg	aggccagcat	tatactgata	120
ccaaaaacctg	gcagagggtac	aataataaaa	ggaaacttca	agtcagtatc	actgatgaac	180
accaatgtga	aaatcctcaa	taaaatactg	gcaaactgaa	ttcagcagca	catcaaaaag	240
ctaattccacc	acaatcaagt	cagcttcatc	cctgcgatgc	aagtctgggt	caacatatgc	300
aaatcaataa	atacaattca	tcagataaac	agagctaaag	acaaaattca	catgattttc	360
tcaatagatg	cagaaaaag					379

<210> 769

<211> 518

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1) ... (518)

<223> n = A, T, C or G

<400> 769

cgagggtccat	atgatgatca	gtctatatag	tttaaggcgc	agatacacaa	attttcaaaa	60
catatgggtag	aatatatgtca	atatgaatgg	aatagacaat	gctttgaaaa	tcactggagg	120
gaggctttat	tgtttgtgaa	aacatgttgt	catcactttt	tgctttaagc	ccttggtggt	180
gaaataaactc	aaaccattct	tccttatgct	gaagatcgag	aaccccaagt	atcacatcta	240
ccatcccact	catcaatgtg	attggtcagt	ctttgctgag	gncctgcata	gccagtttta	300
aaqttagaagt	tcttgcatat	acatatgaaa	aggcatgtta	cttgtgcttt	caaagagctt	360



```
<210> 770
<211> 378
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G
```

<400> 770						
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cacactttat	aaaactttga	attcttgaaa	tgggtttcag	aggttccaag	gtcaaattca	120
agaataagag	ttaagaagaa	aaagactatg	agaaaggaag	tgntgacccc	atttgcattt	180
aaatggcagg	aatagtctca	atctactcat	tggggaaaaa	tgatatgtgc	atatttttga	240
gatattgcaa	cttgctctct	ctctttgcc	ccccaccctt	tgncatgctc	tgtttttggg	300
ctgaattggc	aagaaaaatg	gctggagggc	tggaagaagn	tggacccttc	ttccttcttc	360
cttcttcttc	ctttctcc					378

```
<210> 771
<211> 207
<212> DNA
<213> Homo sapien
```

```

<400> 771
cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca      60
cctcatatcc tccctactat gcctagaagg aataaacta tcactgttca ttatagctac      120
tctcataaacc ctcaacacccc actccctctt agccaatatt gtgcctattg ccataactagt      180
ctttgccgcc tgcgaagcag cggtagg                                     207

```

```
<210> 772
<211> 384
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(384)  
<223> n = A,T,C or G
```

<400> 772						
cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttggactaa	cagttaaatt	tacaagggga	tttagagggt	tctgngggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgccctc	tacctataaa	tcttccctact	attttgctac	atagacgggt	gtgctctttt	240
agctgtttctt	aggtagctcg	tctgggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttctaq	ttaattcatt	atgcagaagg	tatagggggt	agtccttqct	atattatgct	360



384

<400> 773

```
cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa    60
atagaaaccg tctgaactat cctgcccgcg atcatcctag tcttcatcgc cctcccattc    120
ctacgcattc ttacataaac agacgaggtc aacgatccct cccttaccat caaatcaatt    180
gg                                     182
```

<400> 774

```
ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg      60
aggagggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt    120
cctttagtggt tgtgatggc tatcatttgt tttgagggtta gtttgattag tcattgttgg    180
gtggttaatta g                                     191
```

 $\langle 220 \rangle$ 

```
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G
```

<400> 775

```
ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtcg      60
angagggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt    120
cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg    180
ggtgqtaatt aa                                     192
```

<400> 776

```
ctgacccccct agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt    60
gggtctgttct ctcccattac acatagggtt gtctcagcat gcaagagttt ttcctttaaa    120
aaaaaaaaaa aaaaaaaaaa aaaa                                144
```

<210> 777



<400> 777

<400> 778

<400> 779

cctnttgatt tgatqqgtaa qqqgaqqgat cgttgacctc gtctgttatg taaaggatgc 60



```
<210> 780
<211> 328
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G
```

<400> 780						
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attgtctaac	ttttattttt	tggngctggc	gttgtgggtg	gcaaaactcc	gtacattgct	120
attttgccac	actgcaacac	cttacagatg	tgggaagatg	gaaatttgct	atcaattatg	180
actaccctaa	ctctcagag	gattatatct	atcgaattgg	aagaactgct	cgcagtacca	240
aaacaggcac	agcatacact	ttctttacac	ctaataacat	aaagcagggg	agcgacctta	300
tctctgtgct	tcgggaagct	aancaaac				328

```
<210> 781
<211> 305
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G
```

<400> 781						
ctgttcagaa	agctcattgg	acctggtttt	gaaaataaaa	caaagttaaa	accctggggag	60
gagttattgt	gcagngtggg	gtactcaggc	tttcttataa	agaaaaaaaa	agttatctgg	120
taccaaagtg	tgcaacctac	agaccctcag	gtactgcctt	gtgacttctc	tgtatgacat	180
cacaaggctg	ccaagtgctt	gtttttctag	aactaggagt	tggtgaggtt	tggctantgc	240
tgaaccatg	cataggattg	gtttactaaa	ttaaaacctt	attacgtacg	tcctccaaaa	300
qacag						305

```
<210> 782
<211> 497.
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G
```



cagagtggtgct	ttaattgatg	ttaatgcctt	atgtcaaagt	taaagttaga	atttgctagg	60
gctgggatag	ggagtgatat	ttctaggact	tagacattga	aaactaattc	agcctgtagt	120
aacctggatg	gttttcaatg	gcatggttag	tcaaattcat	ggttttaaac	ttagaagcag	180
ctttcggggg	agagggtagg	ttggagcatt	tattacatat	tttactgttt	aatgtcttaa	240
ccgtgggcct	tttaatttgt	aaacactgaa	atgattgttg	ggctgtggaa	aacatttacc	300
tatttacctt	ggaagtttta	aaagacagtc	cacttttttag	catgtgtgtt	gcgtccagcc	360
tgtggtcgtc	ttaactaata	aatgngattt	ttctctcaaa	aaaaaaacct	ccccgggcgg	420
ccgctcaagg	gcnaattccn	cacactggcg	gccgttacta	ggggatccga	nctcgggtcca	480
agcttggcyt	aatcatg					497

<213> Homo sapien

Met 1	Trp	Gln	Pro	Leu 5	Phe	Phe	Lys	Trp	Leu 10	Leu	Ser	Cys	Cys	Pro 15	Gly
Ser	Ser	Gln	Ile	Ala	Ala	Ala	Ala	Ser	Thr	Gln	Pro	Glu	Asp	Asp	Ile
			20					25					30		
Asn	Thr	Gln	Arg	Lys	Lys	Ser	Gln	Glu	Lys	Met	Arg	Glu	Val	Thr	Asp
		35					40					45			
Ser	Pro	Gly	Arg	Pro	Arg	Glu	Leu	Thr	Ile	Pro	Gln	Thr	Ser	Ser	His
	50					55				60					
Gly	Ala	Asn	Arg	Phe	Val	Pro	Lys	Ser	Lys	Ala	Leu	Glu	Ala	Val	Lys
65					70					75					80
Leu	Ala	Ile	Glu	Ala	Gly	Phe	His	His	Ile	Asp	Ser	Ala	His	Val	Tyr
				85					90					95	
Asn	Asn	Glu	Glu	Gln	Val	Gly	Leu	Ala	Ile	Arg	Ser	Lys	Ile	Ala	Asp
			100					105					110		
Gly	Ser	Val	Lys	Arg	Glu	Asp	Ile	Phe	Tyr	Thr	Ser	Lys	Leu	Trp	Ser
		115				120						125			
Asn	Ser	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Arg	Ser	Leu
	130					135				140					
Lys	Asn	Leu	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Phe	Pro
145					150					155					160
Val	Ser	Val	Lys	Pro	Gly	Glu	Glu	Val	Ile	Pro	Lys	Asp	Glu	Asn	Gly
				165					170					175	
Lys	Ile	Leu	Phe	Asp	Thr	Val	Asp	Leu	Cys	Ala	Thr	Trp	Glu	Ala	Met
			180					185					190		
Glu	Lys	Cys	Lys	Asp	Ala	Gly	Leu	Ala	Lys	Ser	Ile	Gly	Val	Ser	Asn
		195				200						205			
Phe	Asn	His	Arg	Leu	Leu	Glu	Met	Ile	Leu	Asn	Lys	Pro	Gly	Leu	Lys
	210					215				220					
Tyr	Lys	Pro	Val	Cys	Asn	Gln	Val	Glu	Cys	His	Pro	Tyr	Phe	Asn	Gln
225				230						235					240
Arg	Lys	Leu	Leu	Asp	Phe	Cys	Lys	Ser	Lys	Asp	Ile	Val	Leu	Val	Ala
				245					250					255	
Tyr	Ser	Ala	Leu	Gly	Ser	His	Arg	Glu	Glu	Pro	Trp	Val	Asp	Pro	Asn
			260					265					270		



```
<210> 784
<211> 6353
<212> DNA
<213> Homo sapien
```

<400> 784						
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ctttctcgcc	acgttcgccc	gctttccccc	tcaagctcta	aatcgggggc	tcccttttagg	180
gttccgattt	agtgttttac	ggcacctcga	ccccaaaaaa	cttgattagg	gtgatgggtc	240
acgtagtggg	ccatcgccct	gatagacggt	ttttcgccct	ttgacgttgg	agtcacagtt	300
ctttaatagt	ggactcttgt	tccaaactgg	aacaacactc	aaccctatct	cggctctattc	360
ttttgattta	taagggattt	tgccgatttc	ggcctattgg	ttaaaaaaatg	agctgattta	420
acaaaaat	aacgcgaatt	ttaacaaaat	attaacgttt	acaatttcag	gtggcacttt	480
tcgggggaaat	gtgcgcggaa	cccctatttg	tttatttttc	taaatacatt	caaatatgta	540
tccgctcatg	aattaattct	tagaaaaact	catcgagcat	caaatgaaac	tgcaatttat	600
tcatatcagg	attatcaata	ccatattttt	gaaaaagccg	tttctgtaat	gaaggagaaa	660
actcacgag	gcagttccat	aggatggcaa	gatcctggta	tcgggtctgcg	attccgactc	720
gtccaacatc	aatacaacct	attaattttc	cctcgtcaaa	aataagggtta	tcaagtgaga	780
aatcaccatg	agtgcgact	gaatccggtg	agaatggcaa	aagtttatgc	atttcttttc	840
agacttggtc	aacaggccag	ccattacgct	cgtcatcaaa	atcactcgca	tcaaccaaac	900
cgttattcat	tcgtgattgc	gcctgagcga	gacgaaatac	gcgatcgctg	ttaaaaggac	960
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cccttgattt	actgtttatg	taagcagaca	gttttattgt	tcatgaccaa	aatcccttaa	1440
cgtgagtttt	cgttccactg	agcgtcagac	cccgtagaaa	agatcaaagg	atcttcttga	1500
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cgagcccgat	cttcccccac	ggtgatgtcg	gcgatatagg	cgccagcaac	cgcacctgtg	4920
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```
<210> 785
<211> 5502
<212> DNA
<213> Homo sapien
```

<400> 785						
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acgtagtggg	ccatcgccct	gatagacggt	ttttcgccct	ttgacgttgg	agtccacggt	300
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acaaaaattt	aacgcgaatt	ttaacaaaat	attaacgttt	acaatttcag	gtggcacttt	480
tcggggaaat	gtgcgcggaa	ccctatttgg	tttatttttc	taaatacatt	caaatatgta	540
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aatcaccatg	agtgcgcact	gaatccgggtg	agaatggcaa	aagtttatgc	atttcttttc	840
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cgttattcat	tcgtgattgc	gcctgagcga	gacgaaatac	gcgatcgctg	ttaaaaggac	960
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tgggtgagtaa	ccatgcacga	tcaggagtag	ggataaaatg	cttgatgggtc	ggaagaggca	1140



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<213> Homo sapiens
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<211> 152
<212> PRT
<213> Homo sapiens
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<213> Homo sapien
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		195					200								